

## HP<sup>®</sup> memory portfolio



# The DATARAM Advantage

### The DATARAM Product Line

#### HP

Servers **ProLiant DL** ProLiant ML **ProLiant BL blades** Integrity rx servers Integrity BL blades HP 9000 rp servers AlphaServers

#### Workstations

Personal Workstations **RISC/Unix Workstations AlphaStations** 

#### **SUPERMICRO**

Intel-based Server Boards

AMD

Opteron-based Server Boards

#### IBM Servers

System p (pSeries) System x (xSeries) System i (iSeries) BladeCenter POWER processorbased servers Intel-processor based servers AMD processor-based servers

Workstations IntelliStation Pro IntelliStation POWER

#### INTEL

Server, Workstation and Desktop Boards

DELL Servers PowerEdge

Workstations Precision

#### SUN

Servers Sun Fire Enterprise Netra

Workstations Sun Blade Ultra Java

#### Savings

Top organizations throughout the world choose Dataram to save up to 50% off OEM memory prices. You can too! Compare us and save thousands on your next memory upgrade purchase. Or to save even more, buy new servers with the factory minimum memory configuration and fill all remaining slots with cost effective Dataram memory upon delivery of the new systems.

#### **Guaranteed Compatibility**

Dataram is THE memory specialist with over 40 years experience designing, manufacturing and testing memory products. In addition, our memory modules are tested, validated and certified by Intel, AMD and CMTL. Beta sites enable additional testing in a wide range of applications and environments. Dataram has a ten-year relationship with

## DATARAM

The Best Choice in Memory

CMTL (Computer Memory Test Labs) where 2000+ system level tests have been performed on Intel and AMD based motherboards to ensure the highest level of memory compatibility available. For a greener earth, Dataram memory products are RoHS compliant and energy conserving low power modules are available. DATARAM memory modules are guaranteed to be 100% form, fit and function compatible for the system they are installed in.

#### **Superior Quality – Exceptional** Support

You expect memory products to last a lifetime and we go to great lengths to meet or exceed your expectations! DATARAM memory products are manufactured in our own state-of-the-art ISO 9001 manufacturing facility in the USA, adhering to the world's highest standards for quality excellence. Every module is 100% tested prior to shipment.



Should you need technical assistance. help is just a phone call or email away, as our customer support personnel are available at no extra charge.

In addition, Dataram memory products installed in IBM servers and workstations with Intel or AMD processors are eligible for support by IBM in the USA.

#### Lifetime Warranty

Dataram Corporation warrants that its memory products will be free from defects in materials and workmanship and conform to the manufacturer's specifications for the computer in which it is originally installed. This warranty is extended to the original end user for the lifetime of the system.

#### Responsiveness

Whether it's first-to-market memory for the latest system, up-to-the-minute product information via an on-line memory selector, contact with a memory specialist or timely receipt of competitive quotations, Dataram responds fast. Flexible manufacturing enables quick delivery of products. Plus Dataram's worldwide network of distributors and resellers enable local presence and in-house service regardless of your geography or time zone.

#### **Dependability**

No other memory company in the world can match our experience as an independent memory supplier. More than 60 of Fortune 100 companies have used Dataram memory. As a financially strong public company (Nasdaq: DRAM), Dataram is ready and capable of being your valued partner. DATARAM is the **Best Choice in Memory.** 

800.DATARAM usasales@dataram.com

Founded in 1967, Dataram is a worldwide leader in the design and manufacture of reliable, high capacity and innovative memory solutions. Dataram provides customized memory solutions for OEMs and memory upgrades for leading brands including HP, IBM, Sun Microsystems, Dell, Intel and AMD Opteron. For more information about Dataram's memory offerings, visit www.dataram.com

FAMILY	MODEL	MAX	SLOTS (	CAPACITY	MFG #	DATARAM #	BOARD
HP							
HP 9000 UNIX 9	SERVERS						
HP 9000 rp2430		2GB	8	2GB	A6114A	DRHA500/2048	2
HP 9000 rp2405, rp24	450, rp2470	8GB	8	2GB	A6114A	DRHA500/2048	2
HP 9000 rp3440-4		32GB	12	4GB	A9774A	DRH3400/4GB	4
				8GB	A9775A	DRH3400/8GB	4
	s (4 x 4GB DIMMs) are used, only one of capacity of 32GB. The remaining slots						4
HP 9000 rp4410-4, rp	04440-8	128GB	32 <sup>1)</sup>	4GB	A7130A	DRH4440/4GB	4
. ,					A7131A	DRH4440/8GB	4
	l on one of two possible HP Memory Ca nemory. The A9739A is a 32-DIMM slot			-DIMM slot me		DRH4440/16GB 9	4
HP 9000 rp5400	360MHz, 440MHz, 550MHz	8GB	16 <sup>1)</sup>	2GB	A6115A	DRHL2000/2048	2
	on two HP Memory Carrier, each having ble to physically install more memory, the		not recogn	ice more than	8GB.		
HP 9000 rp5430	550MHz, 650MHz, 750MHz, 875MHz	8GB	16 <sup>1)</sup>	2GB	A6115A	DRHL2000/2048	2
	on two HP Memory Carrier, each having ble to physically install more memory, the		not recogn	ize more than	8GB.		
HP 9000 rp5405, rp54	450, rp5470	16GB	16 <sup>1)</sup>	2GB	A6115A	DRHL2000/2048	2
<sup>1)</sup> Memory is installed	on two HP Memory Carriers, each having	ng eight slots.					
HP 9000 rp7400 <sup>1)</sup> Memory is installed	550MHz, 650MHz, 750MHz on one to four HP Memory Cards (A488	32GB 32A), each hav	32 <sup>1)</sup> ving eight	2GB slots.	A5864A	DRHN4000/2048	2
HP 9000 rp7405, rp74	410-8	64GB	32 <sup>1)</sup>	4GB	A6098A	DRH8400/4096	4
1)				8GB	A6100A	DRH8400/8192	4
<sup>19</sup> Memory is installed	on one to two HP Cell Boards, each have	ving sixteen sl	ots.				
HP 9000 rp7420-16	900MHz, 1.0GHz	128GB	32 <sup>1)</sup>	4GB	AB308A	DRH8620/4096	4
				8GB 16GB <sup>2)</sup>	AB309A AB322A	DRH8620/8192 DRH8620/16GB	4
•	d on one to two HP Cell Boards, each ha	0	slots.				
<sup>2)</sup> 16GB kits cannot k	be mixed with any other capacity on a C	ell Board.					
HP 9000 rp7440		128GB	32 <sup>1)</sup>	4GB	AB454A	DRH8640/4GB	2
<sup>1)</sup> Memory is installed	on one or two HP Cell Boards, each co	ntaining 16 DI	MM slots.	8GB	AB455A	DRH8640/8GB	2
HP 9000 rp8400-16	650MHz, 750MHz, 875MHz	128GB	64 <sup>1)</sup>	4GB	A6098A	DRH8400/4096	4
				8GB	A6100A	DRH8400/8192	4
<sup>1)</sup> Memory is installed	on one to four HP Cell Boards, each ha	ving sixteen s	lots.				
HP 9000 rp8420-32	900MHz, 1.0GHz	256GB	64 <sup>1)</sup>	4GB	AB308A	DRH8620/4096	4
				8GB 16GB <sup>2)</sup>	AB309A AB322A	DRH8620/8192 DRH8620/16GB	4
	d on one to four HP Cell Boards, each ha be mixed with any other capacity on a C	0	slots.	1000		211100201002	
HP 9000 rp8440		256GB	64 <sup>1)</sup>	4GB	AB454A	DRH8640/4GB	2
1) Momony is installed	on one, two or four LID Call Decide	ach containi		8GB	AB455A	DRH8640/8GB	2
<sup>19</sup> Memory is installed HP 9000 A-Class	on one, two, or four HP Cell Boards, ea	ach containing 2GB	16 DIMM 8	slots. 2GB	A6114A	DRHA500/2048	2
							2
							2
HP 9000 A-Class HP 9000 L-Class HP 9000 L-Class	A500 L1000 L2000, L3000	8GB 8GB 16GB	8 8 16	2GB 2GB 2GB	A6114A A6115A A6115A	DRHA500/2048 DRHL2000/2048 DRHL2000/2048	

	MODEL	MAX	SLOTS C	APACITY	MFG #	DATARAM #	BOARD
HP 9000 N-Class	N4000	32GB	32 <sup>1)</sup>	2GB	A5864A	DRHN4000/2048	2
<sup>1)</sup> Memory is instal	led on one to four HP Memory Card	ls (A4882A), each hav	ving eight s	ots.			
INTEGRITY S	SERVER FAMILY						
Integrity rx2600-2		32GB <sup>1)</sup>	12	4GB	A6834A, A9910A	DRH5670/4096	4
integrity 1x2000-2		32 <b>G</b> B	12	4GB 8GB	A6835A, AB228A	DRH5670/8192	4
				16GB	AB475A	DRH4640/16GB	4
<sup>1)</sup> 32GB maximum	using 8x4GB DIMMs.						
Integrity rx2620-2		32GB <sup>1)</sup>	12	8GB	A6835A, AB228A	DRH5670/8192	4
				16GB	AB475A	DRH4640/16GB	4
<sup>1)</sup> 32GB maximum	using 8x4GB DIMMs.						
Integrity rx2660		32GB	8	4GB	AD275A	DRH2660/4GB	2
				8GB	AD276A	DRH2660/8GB	2
Integrity rx3600		192GB	24 <sup>1)</sup>	8GB	AB565A	DRH6600/8GB	4
		10200		16GB	AB566A	DRH6600/16GB	4
				32GB	AH405A	DRH6600/32GB	4
	x3600 server configuration includes						
	ory configuration with a 24-DIMM m	•	•				
DIMMs are instal	lled onto the memory carriers. The r	ninimum server config	guration rec	uires at leas	t one memory quad, or gr	oup of four DIMMs.	
Integrity rx4640-8		128GB	32 <sup>1)</sup>	4GB	A6969A	DRH4640/4096	4
				8GB	A6970A	DRH4640/8192	4
1)		Developments in the		16GB	AB475A	DRH4640/16GB	4
	lled on a single HP Memory Carrier be purchased with an HP# A9738A				VI slots).		
Into arity pyEC70		96GB	48 <sup>1)</sup>	4GB	A6834A	DRH5670/4096	4
Integrity rx5670		9000	40	4GB 8GB	A6835A	DRH5670/8192	4
<sup>1)</sup> Memory is install	led on one or two HP Memory Carrie	er Cards (A6747A), e	ach contain	ing 24 DIMN			
			401)			DD1/0000/00D	
Integrity rx6600		384GB	48 <sup>1)</sup>	8GB 16GB	AB565A AB566A	DRH6600/8GB DRH6600/16GB	4
				32GB	AH405A	DRH6600/32GB	
<sup>1)</sup> The standard r	x6600 server configuration includes	a 24-DIMM memory	carrier and				4
				can be expa	nded with an additional 24	4-DIMM memory carrier.	4
	lled onto the memory carriers. The r						4
Intogrity ry7620-16	-	minimum server config	guration rec	uires at leas	t one memory quad, or gr	oup of four DIMMs.	
Integrity rx7620-16	-			uires at leas 4GB			
Integrity rx7620-16	-	minimum server config	guration rec	uires at leas	t one memory quad, or gr AB308A	oup of four DIMMs. DRH8620/4096	4
	-	ninimum server config 128GB	guration rec 32 <sup>1)</sup>	uires at leas 4GB 8GB	t one memory quad, or gr AB308A AB309A	oup of four DIMMs. DRH8620/4096 DRH8620/8192	4
<sup>1)</sup> Memory is insta	ê	ninimum server config 128GB each having sixteen s	guration rec 32 <sup>1)</sup>	uires at leas 4GB 8GB	t one memory quad, or gr AB308A AB309A	oup of four DIMMs. DRH8620/4096 DRH8620/8192	4
<sup>1)</sup> Memory is insta <sup>2)</sup> 16GB kits cann	6 illed on one to two HP Cell Boards,	ninimum server config 128GB each having sixteen s r on a Cell Board.	guration rec 32 <sup>1)</sup> slots.	uires at leas 4GB 8GB 16GB <sup>2)</sup>	t one memory quad, or gr AB308A AB309A AB322A	oup of four DIMMs. DRH8620/4096 DRH8620/8192 DRH8620/16GB	4 4 4
<sup>1)</sup> Memory is insta	6 illed on one to two HP Cell Boards,	ninimum server config 128GB each having sixteen s	guration rec 32 <sup>1)</sup>	uires at leas 4GB 8GB	t one memory quad, or gr AB308A AB309A	oup of four DIMMs. DRH8620/4096 DRH8620/8192	4 4 4
<sup>1)</sup> Memory is insta <sup>2)</sup> 16GB kits cann	6 illed on one to two HP Cell Boards,	ninimum server config 128GB each having sixteen s r on a Cell Board.	guration rec 32 <sup>1)</sup> slots.	uires at leas 4GB 8GB 16GB <sup>2)</sup> 4GB	t one memory quad, or gr AB308A AB309A AB322A AB454A	oup of four DIMMs. DRH8620/4096 DRH8620/8192 DRH8620/16GB DRH8640/4GB	4 4 4 2 2 2
<sup>1)</sup> Memory is insta <sup>2)</sup> 16GB kits cann Integrity rx7640	6 illed on one to two HP Cell Boards,	ninimum server config 128GB each having sixteen s r on a Cell Board. 256GB	guration rec 32 <sup>1)</sup> slots. 32 <sup>1)</sup>	uires at leas 4GB 8GB 16GB <sup>2)</sup> 4GB 8GB	t one memory quad, or gr AB308A AB309A AB322A AB454A AB455A	DRH8620/4096 DRH8620/8192 DRH8620/16GB DRH8640/4GB DRH8640/8GB	4 4 4 2 2 2
<sup>1)</sup> Memory is insta <sup>2)</sup> 16GB kits cann Integrity rx7640 <sup>1)</sup> Memory is install	6 Illed on one to two HP Cell Boards, ot be mixed with any other capacity led on one or two HP Cell Boards, e	ninimum server config 128GB each having sixteen s r on a Cell Board. 256GB each containing 16 DI	guration rec 32 <sup>1)</sup> slots. 32 <sup>1)</sup> MM slots.	uires at leas 4GB 8GB 16GB <sup>2)</sup> 4GB 8GB 16GB	t one memory quad, or gr AB308A AB309A AB322A AB454A AB455A AB455A AB456A	oup of four DIMMs. DRH8620/4096 DRH8620/8192 DRH8620/16GB DRH8640/4GB DRH8640/8GB DRH8640/16GB	4 4 4 2 2 2 2
<sup>1)</sup> Memory is insta <sup>2)</sup> 16GB kits cann Integrity rx7640 <sup>1)</sup> Memory is install	6 Illed on one to two HP Cell Boards, ot be mixed with any other capacity led on one or two HP Cell Boards, e	ninimum server config 128GB each having sixteen s r on a Cell Board. 256GB	guration rec 32 <sup>1)</sup> slots. 32 <sup>1)</sup>	uires at leas 4GB 8GB 16GB <sup>2)</sup> 4GB 8GB	t one memory quad, or gr AB308A AB309A AB322A AB454A AB455A	DRH8620/4096 DRH8620/8192 DRH8620/16GB DRH8640/4GB DRH8640/8GB	4 4 4 2 2 2 2 2
<sup>1)</sup> Memory is insta <sup>2)</sup> 16GB kits cann Integrity rx7640	6 Illed on one to two HP Cell Boards, ot be mixed with any other capacity led on one or two HP Cell Boards, e	ninimum server config 128GB each having sixteen s r on a Cell Board. 256GB each containing 16 DI	guration rec 32 <sup>1)</sup> slots. 32 <sup>1)</sup> MM slots.	uires at leas 4GB 8GB 16GB <sup>2)</sup> 4GB 8GB 16GB 4GB	t one memory quad, or gr AB308A AB309A AB322A AB454A AB455A AB455A AB456A AB308A	DRH8620/4096 DRH8620/8192 DRH8620/16GB DRH8640/4GB DRH8640/8GB DRH8640/16GB DRH8620/4096	
<sup>1)</sup> Memory is insta <sup>2)</sup> 16GB kits cann Integrity rx7640 <sup>1)</sup> Memory is install Integrity rx8620-32	6 Illed on one to two HP Cell Boards, ot be mixed with any other capacity led on one or two HP Cell Boards, e	ninimum server config 128GB each having sixteen s r on a Cell Board. 256GB each containing 16 DI 256GB	guration rec 32 <sup>1)</sup> slots. 32 <sup>1)</sup> MM slots. 64 <sup>1)</sup>	uires at leas 4GB 8GB 16GB <sup>2)</sup> 4GB 8GB 16GB 4GB 8GB	t one memory quad, or gr AB308A AB309A AB322A AB454A AB455A AB455A AB456A AB308A AB309A	DRH8620/4096 DRH8620/8192 DRH8620/16GB DRH8640/4GB DRH8640/8GB DRH8640/16GB DRH8620/4096 DRH8620/8192	4 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
<ol> <li><sup>1)</sup> Memory is insta <sup>2)</sup> 16GB kits cann Integrity rx7640</li> <li><sup>1)</sup> Memory is install Integrity rx8620-32</li> <li><sup>1)</sup> Memory is instal</li> </ol>	6 Illed on one to two HP Cell Boards, ot be mixed with any other capacity led on one or two HP Cell Boards, e	ninimum server config 128GB each having sixteen s r on a Cell Board. 256GB each containing 16 DIN 256GB each having sixteen s	guration rec 32 <sup>1)</sup> slots. 32 <sup>1)</sup> MM slots. 64 <sup>1)</sup>	uires at leas 4GB 8GB 16GB <sup>2)</sup> 4GB 8GB 16GB 4GB 8GB	t one memory quad, or gr AB308A AB309A AB322A AB454A AB455A AB455A AB456A AB308A AB309A	DRH8620/4096 DRH8620/8192 DRH8620/16GB DRH8640/4GB DRH8640/8GB DRH8640/16GB DRH8620/4096 DRH8620/8192	4 4 4 2 2 2 2 2 2 2
<ol> <li><sup>1)</sup> Memory is instational and the second state of th</li></ol>	6 Illed on one to two HP Cell Boards, ot be mixed with any other capacity led on one or two HP Cell Boards, e 2 Illed on one to four HP Cell Boards,	minimum server config 128GB each having sixteen s r on a Cell Board. 256GB each containing 16 DI 256GB each having sixteen s r on a Cell Board.	guration rec 32 <sup>1)</sup> slots. 32 <sup>1)</sup> MM slots. 64 <sup>1)</sup> slots.	uires at leas 4GB 8GB 16GB <sup>2)</sup> 4GB 8GB 16GB 4GB 8GB 16GB <sup>2)</sup>	t one memory quad, or gr AB308A AB309A AB322A AB454A AB455A AB455A AB456A AB308A AB309A AB322A	DRH8620/4096 DRH8620/8192 DRH8620/16GB DRH8640/4GB DRH8640/8GB DRH8640/16GB DRH8620/4096 DRH8620/8192 DRH8620/16GB	4 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
<ol> <li><sup>1)</sup> Memory is insta <sup>2)</sup> 16GB kits cann Integrity rx7640</li> <li><sup>1)</sup> Memory is install Integrity rx8620-32</li> <li><sup>1)</sup> Memory is instal</li> </ol>	6 Illed on one to two HP Cell Boards, ot be mixed with any other capacity led on one or two HP Cell Boards, e 2 Illed on one to four HP Cell Boards,	ninimum server config 128GB each having sixteen s r on a Cell Board. 256GB each containing 16 DIN 256GB each having sixteen s	guration rec 32 <sup>1)</sup> slots. 32 <sup>1)</sup> MM slots. 64 <sup>1)</sup>	uires at leas 4GB 8GB 16GB <sup>2)</sup> 4GB 8GB 16GB 4GB 8GB	t one memory quad, or gr AB308A AB309A AB322A AB454A AB455A AB455A AB456A AB308A AB309A	DRH8620/4096 DRH8620/8192 DRH8620/16GB DRH8640/4GB DRH8640/8GB DRH8640/16GB DRH8620/4096 DRH8620/8192	4 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
<ol> <li><sup>1)</sup> Memory is instational and the second state of th</li></ol>	6 Illed on one to two HP Cell Boards, ot be mixed with any other capacity led on one or two HP Cell Boards, e 2 Illed on one to four HP Cell Boards,	minimum server config 128GB each having sixteen s r on a Cell Board. 256GB each containing 16 DI 256GB each having sixteen s r on a Cell Board.	guration rec 32 <sup>1)</sup> slots. 32 <sup>1)</sup> MM slots. 64 <sup>1)</sup> slots.	uires at leas 4GB 8GB 16GB <sup>2)</sup> 4GB 8GB 16GB 4GB 8GB 16GB <sup>2)</sup> 4GB	t one memory quad, or gr AB308A AB309A AB322A AB454A AB455A AB456A AB308A AB309A AB322A AB322A	DRH8620/4096 DRH8620/8192 DRH8620/16GB DRH8640/4GB DRH8640/8GB DRH8640/16GB DRH8620/4096 DRH8620/16GB DRH8620/16GB	4 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
<ol> <li><sup>1)</sup> Memory is instation (2) 16GB kits cannot (2) 16GB kits</li></ol>	6 Illed on one to two HP Cell Boards, ot be mixed with any other capacity led on one or two HP Cell Boards, e 2 Illed on one to four HP Cell Boards,	minimum server config 128GB each having sixteen s on a Cell Board. 256GB each containing 16 DIN 256GB each having sixteen s on a Cell Board. 512GB	guration rec 32 <sup>1)</sup> slots. 32 <sup>1)</sup> MM slots. 64 <sup>1)</sup> slots. 64 <sup>1)</sup>	uires at leas 4GB 8GB 16GB <sup>2)</sup> 4GB 8GB 16GB 16GB <sup>2)</sup> 4GB 8GB 16GB <sup>2)</sup>	t one memory quad, or gr AB308A AB309A AB322A AB454A AB455A AB456A AB308A AB309A AB322A AB322A AB454A AB455A	DRH8620/4096 DRH8620/8192 DRH8620/16GB DRH8640/4GB DRH8640/8GB DRH8640/16GB DRH8620/4096 DRH8620/16GB DRH8620/16GB DRH8620/16GB	4 4 4 2 2 2 2 2 2 2
<ol> <li><sup>1)</sup> Memory is instation (2) 16GB kits cannot (2) 16GB kits</li></ol>	6 Illed on one to two HP Cell Boards, ot be mixed with any other capacity led on one or two HP Cell Boards, e 2 Illed on one to four HP Cell Boards, ot be mixed with any other capacity	minimum server config 128GB each having sixteen s on a Cell Board. 256GB each containing 16 DI 256GB each having sixteen s on a Cell Board. 512GB ards, each containing	guration rec 32 <sup>1)</sup> slots. 32 <sup>1)</sup> MM slots. 64 <sup>1)</sup> slots. 64 <sup>1)</sup>	uires at leas 4GB 8GB 16GB <sup>2)</sup> 4GB 8GB 16GB 16GB <sup>2)</sup> 4GB 8GB 16GB <sup>2)</sup>	t one memory quad, or gr AB308A AB309A AB322A AB454A AB455A AB456A AB308A AB309A AB322A AB322A AB454A AB455A	DRH8620/4096 DRH8620/8192 DRH8620/16GB DRH8640/4GB DRH8640/8GB DRH8640/16GB DRH8620/4096 DRH8620/16GB DRH8620/16GB DRH8620/16GB	4 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

<sup>1)</sup> Memory is installed on one to sixteen HP Cell Boards (depending on model), each containing 32 DIMM slots.

FAMILY	MODEL	MAX	SLOTS CAP	ACITY	MFG #	DATARAM #	BOARD
ALPHA SERVERS	6						
AlphaServer	DS10, DS10L	2GB	4	1GB	3X-MS310-EA	DRQDS10E/1024	2
AlphaServer	DS15	4GB	4	1GB 2GB	3X-MS315-FA 3X-MS315-GA	DRHDS15/1024 DRHDS15/2GB	2
AlphaServer	DS25	16GB	16	2GB 4GB	3X-MS350-EA 3X-MS350-FA	DRHDS25/2048 DRHDS25/4GB	4
	ption (4 DIMMs) installed, memory inte options (8 DIMMs), 2-way interleaving			-			4
AlphaServer	ES45 Model 1, 1B	16GB	16	2GB 4GB	MS620-CA MS620-DB	DRQES45/2048 DRQES45B/4GB	4
	ES45 Model 2, 2B, 3, 3B	32GB	32	2GB 4GB	MS620-CA MS620-DB	DRQES45/2048 DRQES45B/4GB	4
	ES45 Model 2 (xx-68DAA-xx)	32GB	32	2GB 4GB	MS620-CA MS620-DA	DRQES45/2048 DRQES45/4GB	4
	B (DRQES45B/4096) memory for ES4 system, ensure all memory within an a					ustomer Support for assistance.	
BLADE SYSTEM	p-CLASS SERVERS						
ProLiant BL20p G2	X2800, X3060, X3200	8GB	4	2GB 4GB	300680-B21 300682-B21	DRH370/2048 DRH370/4096	2
ProLiant BL20p G3		16GB	4	2GB 4GB	343056-B21 375004-B21	DRH380G4/2GB DRH380G4D/4GB	2
				8GB	348106-B21	DRH380G4D/8GB	
ProLiant BL20p G4		32GB	8	2GB 4GB	397411-B21 397413-B21	DRH667FB/2GB DRH667FB/4GB	2
DIMMs must be insta	illed in matched pairs.			8GB	397415-B21	DRH667FB/8GB	2
ProLiant BL25p		32GB <sup>1)</sup>	8	4GB 8GB	379300-B21 395409-B21	DRH385/4GB DRH585/8GB	2
1) Four DIMM slots per	processor; 16GB maximum for single p	processor me	odels.				
ProLiant BL25p G2		32GB	8 <sup>1)</sup>	2GB 4GB 8GB	408851-B21 408853-B21 408854-B21	DRH585G2/2GB DRH585G2/4GB DRH585G2/8GB	2
<sup>1)</sup> Four DIMM slots per	processor			000	400004 021	DIVIDUOUCE	2
ProLiant BL30p	X3.06, X3.2	4GB	2		300680-B21 300682-B21	DRH370/2048 DRH370/4096	2
ProLiant BL35p		16GB <sup>1)</sup>	4	4GB 8GB	379300-B21 395409-B21	DRH385/4GB DRH585/8GB	2
<sup>1)</sup> Two DIMM slots per p	rocessor; 8GB maximum for single pro	ocessor mod	lels.				
ProLiant BL40p	X1.5, X2.0, X2.2, X2.8, X3.0	12GB	6	2GB 4GB	300680-B21 300682-B21	DRH370/2048 DRH370/4096	
ProLiant BL45p		64GB <sup>1)</sup>	16	4GB 8GB	379300-B21 395409-B21	DRH385/4GB DRH585/8GB	
<sup>1)</sup> Four DIMM slots per	processor; 16GB maximum for single p	processor me	odels.				
ProLiant BL45p G2		64GB	16 <sup>1)</sup>	2GB 4GB	408851-B21 408853-B21 408854-B21	DRH585G2/2GB DRH585G2/4GB DRH585G2/8GB	2
<sup>1)</sup> Four DIMM slots per	processor			oGB	408854-B21	DRH585G2/8GB	4

	MODEL	MAX	SLOTS C	APACITY	MFG #	DATARAM #	BOARD
<b>BLADE SYS</b>	STEM c-CLASS SERVERS	\$					
	2. 05	2000		000	100051 001		-
ProLiant BL2x22	0c G5	32GB	4	2GB	408851-B21	DRH585G2/2GB	2
				4GB	408853-B21	DRH585G2/4GB	2
				4GB	483401-B21	DRH585G2L/4GB	2
				8GB	408854-B21	DRH585G2/8GB	2
				8GB	483403-B21	DRH585G2L/8GB	2
				16GB	408855-B21	DRH585G2/16GB	2
					100054 504	DD1/50500/00D	
ProLiant BL260c	G5	48GB	6	2GB	408851-B21	DRH585G2/2GB	2
				4GB	408853-B21	DRH585G2/4GB	2
				4GB	483401-B21	DRH585G2L/4GB	2
				8GB	408854-B21	DRH585G2/8GB	2
				8GB	483403-B21	DRH585G2L/8GB	2
				16GB	408855-B21	DRH585G2/16GB	2
			0	005	007444 D04		
ProLiant BL460c		64GB	8	2GB	397411-B21	DRH667FB/2GB	2
				4GB	397413-B21	DRH667FB/4GB	2
				4GB	461828-B21	DRH667FBL/4GB	2
				8GB	397415-B21	DRH667FB/8GB	2
				8GB	466440-B21	DRH667FBL/8GB	2
				16GB	413015-B21	DRH667FB/16GB	2
				64GB	495604-B21	DRH667FB/64GB	8
	e installed in matched pairs.			0466	493004-D21		0
	21, 466440-B21 and Dataram's DR	H667FBL/4GB, DRH66	7FBL/8GB	are Low Pov	ver DIMMs.		
ProLiant BL460c	G5	32GB	8	4GB	461828-B21	DRH667FBL/4GB	2
				8GB	466440-B21	DRH667FBL/8GB	2
ProLiant BL465c		32GB	8 <sup>1)</sup>	2GB	408851-B21	DRH585G2/2GB	2
		5266	0	4GB	408853-B21	DRH585G2/4GB	2
				4GB 8GB	408854-B21	DRH585G2/8GB	2
<sup>1)</sup> Four DIMM slo	ots per processor			000	400004 021	DIVIDUOUCZ/OOD	2
			8 <sup>1)</sup>		408851-B21	DRH585G2/2GB	2
Prol jant RI 1650	G5	6/CP		-7/212			
ProLiant BL465c	G5	64GB	0	2GB			
ProLiant BL465c	G5	64GB	0	4GB	408853-B21	DRH585G2/4GB	2
ProLiant BL465c	G5	64GB	0	4GB 4GB	408853-B21 483401-B21	DRH585G2/4GB DRH585G2L/4GB	2 2
ProLiant BL465c	G5	64GB	0	4GB	408853-B21 483401-B21	DRH585G2/4GB	2 2
ProLiant BL465c	G5	64GB	0	4GB 4GB	408853-B21 483401-B21 408854-B21	DRH585G2/4GB DRH585G2L/4GB	2 2 2
ProLiant BL465c	G5	64GB	0	4GB 4GB 8GB 8GB	408853-B21 483401-B21 408854-B21 483403-B21	DRH585G2/4GB DRH585G2L/4GB DRH585G2/8GB DRH585G2/8GB	2 2 2 2
ProLiant BL465c	G5	64GB	0	4GB 4GB 8GB	408853-B21 483401-B21 408854-B21 483403-B21	DRH585G2/4GB DRH585G2L/4GB DRH585G2/8GB	2 2 2 2 2 2
ProLiant BL465c	G5	64GB	0	4GB 4GB 8GB 8GB 16GB	408853-B21 483401-B21 408854-B21 483403-B21 408855-B21	DRH585G2/4GB DRH585G2L/4GB DRH585G2/8GB DRH585G2L/8GB DRH585G2L/8GB	2 2 2 2 2 8
ProLiant BL465c	G5	64GB	0	4GB 4GB 8GB 8GB 16GB 64GB 4GB	408853-B21 483401-B21 408854-B21 483403-B21 408855-B21 495605-B21 497765-B21	DRH585G2/4GB DRH585G2L/4GB DRH585G2/8GB DRH585G2L/8GB DRH585G2/16GB DRH585G2/64GB	2 2 2 2 2 8 8 2
ProLiant BL465c	G5	64GB	0	4GB 4GB 8GB 8GB 16GB 64GB	408853-B21 483401-B21 408854-B21 483403-B21 408855-B21 495605-B21	DRH585G2/4GB DRH585G2L/4GB DRH585G2/8GB DRH585G2L/8GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB	2 2 2 2 2 2 8 2 2 2 2
<sup>1)</sup> Four DIMM slo The DRH5850	ots per processor. G2x and associated HP options are Rx and associated HP options are I	DDR2-667 in regular ar	nd low (L) p	4GB 4GB 8GB 8GB 16GB 64GB 4GB 8GB 8GB	408853-B21 483401-B21 408854-B21 483403-B21 408855-B21 495605-B21 497765-B21 497767-B21	DRH585G2/4GB DRH585G2L/4GB DRH585G2/8GB DRH585G2L/8GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB DRH800R/8GB	2 2 2 2 2 2 2 2 8 8 2 2 2 2 2
<sup>1)</sup> Four DIMM slo The DRH5850 The DRH800F	ots per processor. G2x and assocated HP options are Rx and associated HP options are [	DDR2-667 in regular ar DDR2-800 in regular an	nd low (L) p d low (L) p	4GB 4GB 8GB 16GB 64GB 4GB 8GB 8GB 8GB	408853-B21 483401-B21 408854-B21 483403-B21 408855-B21 495605-B21 497765-B21 497767-B21 504351-B21	DRH585G2/4GB DRH585G2L/4GB DRH585G2/8GB DRH585G2L/8GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB DRH800R/8GB DRH800RLP/8GB	2 2 2 2 2 2 8 2 2 2 2 2
<sup>1)</sup> Four DIMM slo The DRH5850 The DRH800F	ots per processor. G2x and assocated HP options are Rx and associated HP options are [	DDR2-667 in regular ar	nd low (L) p	4GB 4GB 8GB 8GB 16GB 64GB 4GB 8GB 8GB 8GB 900wer.	408853-B21 483401-B21 408854-B21 483403-B21 408855-B21 495605-B21 497765-B21 497767-B21 504351-B21	DRH585G2/4GB DRH585G2L/4GB DRH585G2/8GB DRH585G2/8GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB DRH800R/8GB DRH800RLP/8GB	2 2 2 2 2 2 8 2 2 2 2 2
<sup>1)</sup> Four DIMM slo The DRH5850 The DRH800F	ots per processor. G2x and assocated HP options are Rx and associated HP options are [	DDR2-667 in regular ar DDR2-800 in regular an	nd low (L) p d low (L) p	4GB 4GB 8GB 8GB 16GB 64GB 4GB 8GB 8GB 8GB 8GB 00wer.	408853-B21 483401-B21 408854-B21 483403-B21 408855-B21 495605-B21 497765-B21 497767-B21 504351-B21 397411-B21 397413-B21	DRH585G2/4GB DRH585G2L/4GB DRH585G2/8GB DRH585G2/8GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB DRH800RLP/8GB DRH800RLP/8GB DRH667FB/2GB DRH667FB/2GB	2 2 2 2 2 2 8 2 2 2 2 2 2 2 2 2 2 2 2 2
<sup>1)</sup> Four DIMM slo The DRH5850 The DRH800F	ots per processor. G2x and assocated HP options are Rx and associated HP options are [	DDR2-667 in regular ar DDR2-800 in regular an	nd low (L) p d low (L) p	4GB 4GB 8GB 16GB 64GB 4GB 8GB 8GB 8GB 8GB 00wer. 00wer. 2GB 4GB 4GB	408853-B21 483401-B21 408854-B21 483403-B21 408855-B21 495605-B21 497765-B21 497767-B21 504351-B21 397411-B21 397413-B21 461828-B21	DRH585G2/4GB DRH585G2L/4GB DRH585G2/8GB DRH585G2/8GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB DRH800R/8GB DRH800RLP/8GB DRH667FB/2GB DRH667FB/2GB DRH667FB/4GB	2 2 2 2 2 2 8 2 2 2 2 2 2 2 2 2 2 2 2 2
<sup>1)</sup> Four DIMM slo The DRH5850	ots per processor. G2x and assocated HP options are Rx and associated HP options are [	DDR2-667 in regular ar DDR2-800 in regular an	nd low (L) p d low (L) p	4GB 4GB 8GB 16GB 64GB 4GB 8GB 8GB 8GB	408853-B21 483401-B21 408854-B21 483403-B21 408855-B21 495605-B21 497765-B21 497767-B21 504351-B21 397411-B21 397411-B21 397413-B21 461828-B21 397415-B21	DRH585G2/4GB DRH585G2L/4GB DRH585G2/8GB DRH585G2/8GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB DRH800RLP/8GB DRH800RLP/8GB DRH667FB/2GB DRH667FB/2GB	2 2 2 2 2 2 8 2 2 2 2 2
<sup>1)</sup> Four DIMM slo The DRH5850 The DRH800F	ots per processor. G2x and assocated HP options are Rx and associated HP options are [	DDR2-667 in regular ar DDR2-800 in regular an	nd low (L) p d low (L) p	4GB 4GB 8GB 16GB 64GB 4GB 8GB 8GB 8GB	408853-B21 483401-B21 408854-B21 483403-B21 408855-B21 495605-B21 497765-B21 497767-B21 504351-B21 397411-B21 397413-B21 461828-B21	DRH585G2/4GB DRH585G2L/4GB DRH585G2/8GB DRH585G2/8GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB DRH800R/8GB DRH800RLP/8GB DRH667FB/2GB DRH667FB/2GB DRH667FB/4GB	2 2 2 2 2 2 8 2 2 2 2 2 2 2 2 2 2 2 2 2
<sup>1)</sup> Four DIMM slo The DRH5850 The DRH800F	ots per processor. G2x and assocated HP options are Rx and associated HP options are [	DDR2-667 in regular ar DDR2-800 in regular an	nd low (L) p d low (L) p	4GB 4GB 8GB 8GB 16GB 64GB 8GB 8GB 8GB 2GB 4GB 4GB 8GB 8GB	408853-B21 483401-B21 408854-B21 483403-B21 408855-B21 495605-B21 497765-B21 497767-B21 504351-B21 397411-B21 397413-B21 461828-B21 397415-B21	DRH585G2/4GB DRH585G2L/4GB DRH585G2/8GB DRH585G2/8GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB DRH800R/8GB DRH800RLP/8GB DRH667FB/2GB DRH667FB/4GB DRH667FBL/4GB DRH667FBL/4GB DRH667FBL/8GB	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
<sup>1)</sup> Four DIMM slo The DRH5850 The DRH800F	ots per processor. G2x and assocated HP options are Rx and associated HP options are [	DDR2-667 in regular ar DDR2-800 in regular an	nd low (L) p d low (L) p	4GB 4GB 8GB 8GB 16GB 64GB 8GB 8GB 8GB 4GB 4GB 4GB 8GB 8GB 8GB 16GB	408853-B21 483401-B21 408854-B21 483403-B21 408855-B21 495605-B21 497765-B21 497767-B21 504351-B21 397411-B21 397411-B21 397413-B21 461828-B21 397415-B21	DRH585G2/4GB DRH585G2L/4GB DRH585G2/8GB DRH585G2/8GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB DRH800R/8GB DRH800RLP/8GB DRH667FB/2GB DRH667FB/4GB DRH667FB/4GB DRH667FB/4GB	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
<sup>1)</sup> Four DIMM slo The DRH5850 The DRH800F ProLiant BL480c	ots per processor. G2x and assocated HP options are Rx and associated HP options are [	DDR2-667 in regular ar DDR2-800 in regular an	nd low (L) p d low (L) p	4GB 4GB 8GB 8GB 16GB 64GB 8GB 8GB 8GB 4GB 4GB 4GB 8GB 8GB 8GB 16GB	408853-B21 483401-B21 408854-B21 483403-B21 408855-B21 495605-B21 497765-B21 497767-B21 504351-B21 397411-B21 397413-B21 461828-B21 397415-B21	DRH585G2/4GB DRH585G2L/4GB DRH585G2/8GB DRH585G2/8GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB DRH800R/8GB DRH800RLP/8GB DRH667FB/2GB DRH667FB/4GB DRH667FB/4GB DRH667FB/4GB DRH667FB/4GB DRH667FB/8GB DRH667FB/16GB	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

FAMILY	MODEL	MAX	SLOTS CA	PACITY	MFG #	DATARAM #	BOARDS
ProLiant BL495c G	e de la companya de l	128GB	16 <sup>1)</sup>	2GB	408851-B21	DRH585G2/2GB	2
PIOLIAIII BL4950 G	)	12066	10 /	-			
				4GB		DRH585G2/4GB	2
				4GB	483401-B21	DRH585G2L/4GB	2
				8GB	408854-B21	DRH585G2/8GB	2
				8GB	483403-B21	DRH585G2L/8GB	2
					408855-B21	DRH585G2/16GB	2
				64GB	495605-B21	DRH585G2/64GB	8
				4GB		DRH800R/4GB	2
				8GB 8GB	497767-B21 504351-B21	DRH800R/8GB DRH800RLP/8GB	2
	per processor. x and assocated HP options are DDR2 and associated HP options are DDR2-	0	· / ·	ower.	00+001 021	DATIOURLE / OGD	L
ProLiant BL680c G		128GB	16	2GB	397411-B21	DRH667FB/2GB	2
PIOLIAIII BLOOUC G	)	12060	10				
				4GB		DRH667FB/4GB	2
				4GB	461828-B21	DRH667FBL/4GB	2
				8GB	397415-B21	DRH667FB/8GB	2
					466440-B21	DRH667FBL/8GB	2
					413015-B21	DRH667FB/16GB	2
				64GB	495604-B21	DRH667FB/64GB	8
	stalled in matched pairs. 466440-B21 and Dataram's DRH667F	BL/4GB, DRH66	7FBL/8GB a	are Low Pov	ver DIMMs.		
ProLiant BL685c		64GB	16 <sup>1)</sup>	2GB	408851-B21	DRH585G2/2GB	2
				4GB	408853-B21	DRH585G2/4GB	2
				8GB	408854-B21	DRH585G2/8GB	2
<sup>1)</sup> Four DIMM slots	per processor			000	400004 021	DITIOUSUL/UCD	2
			4)				
ProLiant BL685c G	5	128GB	16 <sup>1)</sup>	2GB	408851-B21	DRH585G2/2GB	2
				4GB	408853-B21	DRH585G2/4GB	2
				4GB	483401-B21	DRH585G2L/4GB	2
				8GB		DRH585G2/8GB	2
				8GB	483403-B21	DRH585G2L/8GB	2
				16GB	408855-B21	DRH585G2/16GB	2
				64GB	495605-B21	DRH585G2/64GB	8
				4GB	497765-B21	DRH800R/4GB	2
				-	497767-B21	DRH800R/8GB	2
				8GB	504351-B21	DRH800RLP/8GB	2
	and associated HP options are DDR2 and associated HP options are DDR2-						
Integrity BL860c		48GB	12	2GB	AD343A	DRH860/2GB	2
g, <u>-</u> <b>2</b> 0000				4GB	AD344A	DRH860/4GB	2
					AD345A	DRH860/8GB	2
	e requires that DIMMs are loaded in like stalled in decreasing capacity with the		stalled in the			DIVISOOOD	L
ntogrity DL 070-		40005	24	400	4112524		
ntegrity BL870c		192GB	24		AH252A	DRH870/4GB	4
				8GB	AH253A	DRH870/8GB	4
				16GB	AH254A	DRH870/16GB	4
				32GB	AM324A	DRH870/32GB	4
	stalled in matched sets of four. stalled in decreasing capacity with the	largest DIMMs in	stalled in the				
PROLIANT SE	RVERS						
ProLiant DL120 G5	α	8GB	4	2GB	450260-B21	DRH800U/2GB	1 <sup>1</sup>
	P natched pairs and matched quads for b			200		2	
' instali Divivis in m							
			-				
ProLiant DL140 G2	2.8GHz, 3.4GHz, 3.6GHz	16GB	8	2GB 4GB	343056-B21 343057-B21	DRH380G4/2GB DRH380G4S/4GB	2

	MODEL	MAX	SLOTS CA	PACITY	MFG #	DATARAM #	BOARD
ProLiant DL140 G3		32GB	8	2GB	397411-B21	DRH667FB/2GB	2
		0200	0	4GB	397413-B21	DRH667FB/4GB	2
				4GB	461828-B21	DRH667FBL/4GB	2
				8GB		DRH667FB/8GB	2
DIMMs must be in:	stalled in matched pairs.			000	397413-021		2
HP's 461828-B21 a	and Dataram's DRH667FBL/4GB	are Low Power DIMM	s.				
ProLiant DL145 G2		32GB <sup>1)</sup>	8	4GB	379300-B21	DRH385/4GB	2
0				8GB	Not Offered by HP	DRH585/8GB	2
<sup>1)</sup> Four DIMM slots	per processor; 16GB maximum fo	or single processor mo	odels.				
ProLiant DL145 G3		32GB	8 <sup>1)</sup>	2GB	408851-B21	DRH585G2/2GB	2
				4GB	408853-B21	DRH585G2/4GB	2
				8GB	408854-B21	DRH585G2/8GB	2
<sup>1)</sup> Four DIMM slots	per processor						
ProLiant DL160 G5		64GB	8	2GB	397411-B21	DRH667FB/2GB	2
				4GB	397413-B21	DRH667FB/4GB	2
				4GB	461828-B21	DRH667FBL/4GB	2
				8GB	397415-B21	DRH667FB/8GB	2
					466440-B21	DRH667FBL/8GB	2
				16GB		DRH667FB/16GB	2
				64GB	495604-B21	DRH667FB/64GB	8
				4GB	484060-B21	DRH800FB/4GB	2
				8GB	484062-B21	DRH800FB/8GB	2
HP's 461828-B21,	466440-B21 and Dataram's DRH	667FBL/4GB, DRH66	7FBL/8GB	are Low Pov	ver DIMMs.		
ProLiant DL160 G5	0	64GB	16	4GB	397413-B21	DRH667FB/4GB	2
				4GB	461828-B21	DRH667FBL/4GB	2
				8GB		DRH667FB/8GB	2
				8GB	466440-B21	DRH667FBL/8GB	2
				4GB	484060-B21	DRH800FB/4GB	2
				8GB	484062-B21	DRH800FB/8GB	2
HP's 461828-B21,	466440-B21 and Dataram's DRH	667FBL/4GB, DRH66	7FBL/8GB	are Low Pov	ver DIMMs.		
ProLiant DL165 G5		64GB	8 <sup>1)</sup>	2GB	408851-B21	DRH585G2/2GB	2
				100	408853-B21	DRH585G2/4GB	2
				4GB			
				-	483401-B21	DRH585G2L/4GB	2
				4GB		DRH585G2L/4GB	
				4GB 8GB	408854-B21	DRH585G2/8GB	2
				4GB 8GB 8GB	408854-B21 483403-B21	DRH585G2/8GB DRH585G2L/8GB	2 2
				4GB 8GB	408854-B21	DRH585G2/8GB	2 2
				4GB 8GB 8GB	408854-B21 483403-B21	DRH585G2/8GB DRH585G2L/8GB	2
				4GB 8GB 8GB 16GB 64GB 4GB	408854-B21 483403-B21 408855-B21 495605-B21 497765-B21	DRH585G2/8GB DRH585G2L/8GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB	2 2 2 8 2
				4GB 8GB 16GB 64GB 4GB 8GB	408854-B21 483403-B21 408855-B21 495605-B21 497765-B21 497767-B21	DRH585G2/8GB DRH585G2L/8GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB DRH800R/8GB	2 2 2 8 2 2 2
	ner processor Bost parformassa	with identical momon	oopfiguret	4GB 8GB 16GB 64GB 4GB 8GB 8GB	408854-B21 483403-B21 408855-B21 495605-B21 497765-B21 497767-B21 504351-B21	DRH585G2/8GB DRH585G2L/8GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB	2 2 2 8 2 2 2
The DRH585G2	per processor. Best performance x and assocated HP options are DI and associated HP options are DI	DR2-667 in regular ar	nd low (L) p	4GB 8GB 8GB 16GB 64GB 4GB 8GB 8GB 8GB ons for both ower.	408854-B21 483403-B21 408855-B21 495605-B21 497765-B21 497767-B21 504351-B21	DRH585G2/8GB DRH585G2L/8GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB DRH800R/8GB	2 2 2 8 2 2 2
The DRH585G2	and assocated HP options are D	DR2-667 in regular ar	nd low (L) p	4GB 8GB 8GB 16GB 64GB 4GB 8GB 8GB 8GB ons for both ower.	408854-B21 483403-B21 408855-B21 495605-B21 497765-B21 497767-B21 504351-B21	DRH585G2/8GB DRH585G2L/8GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB DRH800R/8GB	2 2 2 8 2 2 2 2 2 2
The DRH585G2 The DRH800Rx	and assocated HP options are D	DR2-667 in regular ar DR2-800 in regular an	nd low (L) p d low (L) pc	4GB 8GB 8GB 16GB 64GB 4GB 8GB 8GB 8GB ons for both ower. wer.	408854-B21 483403-B21 408855-B21 495605-B21 497765-B21 497767-B21 504351-B21 processors.	DRH585G2/8GB DRH585G2L/8GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB DRH800R/8GB DRH800RLP/8GB	2 2 2 8 2 2 2 2 2 2 2
The DRH585G2 The DRH800Rx	and assocated HP options are D	DR2-667 in regular ar DR2-800 in regular an	nd low (L) p d low (L) pc	4GB 8GB 8GB 16GB 64GB 4GB 8GB 8GB 0ns for both ower. wer. 2GB	408854-B21 483403-B21 408855-B21 495605-B21 497765-B21 497767-B21 504351-B21 processors.	DRH585G2/8GB DRH585G2L/8GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB DRH800R/8GB DRH800RLP/8GB	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
The DRH585G2 The DRH800Rx ProLiant DL180 G5	and assocated HP options are D	DR2-667 in regular an DR2-800 in regular an 16GB	nd low (L) p d low (L) pc 6	4GB 8GB 8GB 16GB 64GB 4GB 8GB 8GB 0ns for both ower. 2GB 4GB 8GB	408854-B21 483403-B21 408855-B21 495605-B21 497765-B21 497767-B21 504351-B21 processors. 408851-B21 461840-B21 408854-B21	DRH585G2/8GB DRH585G2L/8GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB DRH800R/8GB DRH800RLP/8GB DRH585G2/2GB DRH585G2/2GB	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
The DRH585G2 The DRH800Rx ProLiant DL180 G5	k and assocated HP options are D and associated HP options are D	DR2-667 in regular an DR2-800 in regular an 16GB	nd low (L) p d low (L) pc 6	4GB 8GB 8GB 16GB 64GB 4GB 8GB 8GB 0005 for both 000000000000000000000000000000000000	408854-B21 483403-B21 408855-B21 495605-B21 497765-B21 497767-B21 504351-B21 processors. 408851-B21 461840-B21 408854-B21 2).	DRH585G2/8GB DRH585G2/16GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB DRH800R/8GB DRH800RLP/8GB DRH585G2/2GB DRH585G2/2GB DRH585G2/2GB	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
The DRH585G2 The DRH800Rx ProLiant DL180 G5 Only one dual-rank	k and assocated HP options are D and associated HP options are D	DR2-667 in regular an DR2-800 in regular an 16GB must be installed in th	nd low (L) p d low (L) pc 6 e first bank	4GB 8GB 8GB 16GB 64GB 4GB 8GB 8GB ons for both ower. wer. 2GB 4GB 8GB (slots 1 and	408854-B21 483403-B21 408855-B21 495605-B21 497765-B21 497767-B21 504351-B21 processors. 408851-B21 461840-B21 408854-B21 2).	DRH585G2/8GB DRH585G2/16GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB DRH800R/8GB DRH800RLP/8GB DRH585G2/2GB DRH585G2/2GB DRH585G2/8GB	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
The DRH585G2 The DRH800Rx ProLiant DL180 G5 Only one dual-rank	k and assocated HP options are D and associated HP options are D	DR2-667 in regular an DR2-800 in regular an 16GB must be installed in th	nd low (L) p d low (L) pc 6 e first bank	4GB 8GB 8GB 16GB 64GB 4GB 8GB 8GB 0005 for both 000000000000000000000000000000000000	408854-B21 483403-B21 408855-B21 495605-B21 497765-B21 497767-B21 504351-B21 processors. 408851-B21 408854-B21 2).	DRH585G2/8GB DRH585G2/16GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB DRH800R/8GB DRH800RLP/8GB DRH585G2/2GB DRH585G2/2GB DRH585G2/2GB	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
The DRH585G2 The DRH800Rx ProLiant DL180 G5 Only one dual-rank	k and assocated HP options are D and associated HP options are D	DR2-667 in regular an DR2-800 in regular an 16GB must be installed in th	nd low (L) p d low (L) pc 6 e first bank	4GB 8GB 8GB 16GB 64GB 4GB 8GB 8GB 8GB 0ns for both ower. wer. 2GB 4GB 8GB (slots 1 and 2GB 4GB 4GB	408854-B21 483403-B21 408855-B21 495605-B21 497765-B21 497767-B21 504351-B21 processors. 408851-B21 408854-B21 2). 408851-B21 408853-B21 408853-B21 408853-B21 408853-B21	DRH585G2/8GB DRH585G2/16GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB DRH800R/8GB DRH800RLP/8GB DRH585G2/2GB DRH585G2/2GB DRH585G2/8GB DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
The DRH585G2 The DRH800Rx ProLiant DL180 G5 Only one dual-rank	k and assocated HP options are D and associated HP options are D	DR2-667 in regular an DR2-800 in regular an 16GB must be installed in th	nd low (L) p d low (L) pc 6 e first bank	4GB 8GB 8GB 16GB 64GB 4GB 8GB 8GB 0ns for both ower. wer. 2GB 4GB 8GB (slots 1 and 2GB 4GB 4GB 4GB 8GB	408854-B21 483403-B21 408855-B21 495605-B21 497765-B21 497767-B21 504351-B21 processors. 408851-B21 461840-B21 408854-B21 2). 408851-B21 408853-B21 408853-B21 408853-B21	DRH585G2/8GB DRH585G2/16GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB DRH800R/8GB DRH800RLP/8GB DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
The DRH585G2 The DRH800Rx ProLiant DL180 G5 Only one dual-rank	k and assocated HP options are D and associated HP options are D	DR2-667 in regular an DR2-800 in regular an 16GB must be installed in th	nd low (L) p d low (L) pc 6 e first bank	4GB 8GB 8GB 16GB 64GB 8GB 8GB 8GB 0ns for both ower. wer. 2GB 4GB 8GB (slots 1 and 2GB 4GB 4GB 4GB 8GB 8GB	408854-B21 483403-B21 408855-B21 495605-B21 497765-B21 497767-B21 504351-B21 processors. 408851-B21 461840-B21 408854-B21 2). 408851-B21 408853-B21 408854-B21 408854-B21 408854-B21 408854-B21 408854-B21 408854-B21 408854-B21 408854-B21	DRH585G2/8GB DRH585G2/16GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB DRH800R/8GB DRH800RLP/8GB DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/8GB	
The DRH585G2 The DRH800Rx ProLiant DL180 G5 Only one dual-rank	k and assocated HP options are D and associated HP options are D	DR2-667 in regular an DR2-800 in regular an 16GB must be installed in th	nd low (L) p d low (L) pc 6 e first bank	4GB 8GB 8GB 16GB 64GB 8GB 8GB 8GB 0ns for both ower. wer. 2GB 4GB 8GB (slots 1 and 2GB 4GB 8GB 4GB 8GB 16GB	408854-B21 483403-B21 408855-B21 495605-B21 497765-B21 497767-B21 504351-B21 processors. 408851-B21 408854-B21 408854-B21 2). 408853-B21 408854-B21 408854-B21 408854-B21 408854-B21 408854-B21 408854-B21 408854-B21 408854-B21 408854-B21 408854-B21 408854-B21 408854-B21 408854-B21	DRH585G2/8GB DRH585G2/16GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB DRH800R/8GB DRH800RLP/8GB DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/8GB DRH585G2/8GB DRH585G2/8GB DRH585G2/16GB	
The DRH585G2 The DRH800Rx ProLiant DL180 G5 Only one dual-rank	k and assocated HP options are D and associated HP options are D	DR2-667 in regular an DR2-800 in regular an 16GB must be installed in th	nd low (L) p d low (L) pc 6 e first bank	4GB 8GB 8GB 16GB 64GB 8GB 8GB 8GB 8GB (slots 1 and 2GB 4GB 8GB 4GB 8GB 8GB 16GB 64GB	408854-B21 483403-B21 408855-B21 495605-B21 497765-B21 497767-B21 504351-B21 processors. 408851-B21 461840-B21 408854-B21 2). 408851-B21 408853-B21 408854-B21 408854-B21 408854-B21 408855-B21 408855-B21	DRH585G2/8GB DRH585G2/8GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB DRH800R/8GB DRH800RLP/8GB DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/16GB DRH585G2/16GB DRH585G2/64GB	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
The DRH585G2 The DRH800Rx ProLiant DL180 G5 Only one dual-rank	k and assocated HP options are D and associated HP options are D	DR2-667 in regular an DR2-800 in regular an 16GB must be installed in th	nd low (L) p d low (L) pc 6 e first bank	4GB 8GB 8GB 16GB 64GB 4GB 8GB 8GB 0ns for both ower. wer. 2GB 4GB 8GB (slots 1 and 2GB 4GB 8GB 8GB 8GB 16GB 64GB 4GB	408854-B21 483403-B21 408855-B21 495605-B21 497765-B21 497767-B21 504351-B21 processors. 408851-B21 408854-B21 2). 408851-B21 408853-B21 408853-B21 408854-B21 408853-B21 408855-B21 495605-B21 497765-B21	DRH585G2/8GB DRH585G2/16GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB DRH800R/8GB DRH800RLP/8GB DRH585G2/2GB DRH585G2/2GB DRH585G2/8GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/16GB DRH585G2/16GB DRH585G2/16GB DRH585G2/16GB DRH585G2/16GB DRH585G2/64GB	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
The DRH585G2 The DRH800Rx ProLiant DL180 G5 Only one dual-rank	k and assocated HP options are D and associated HP options are D	DR2-667 in regular an DR2-800 in regular an 16GB must be installed in th	nd low (L) p d low (L) pc 6 e first bank	4GB 8GB 8GB 16GB 64GB 8GB 8GB 8GB 8GB 4GB 8GB (slots 1 and 2GB 4GB 8GB 8GB 8GB 16GB 64GB 4GB 8GB	408854-B21 483403-B21 408855-B21 495605-B21 497765-B21 497765-B21 504351-B21 processors. 408851-B21 408854-B21 2). 408851-B21 408853-B21 408853-B21 408854-B21 408854-B21 408853-B21 408855-B21 495605-B21 497765-B21 497765-B21	DRH585G2/8GB DRH585G2/16GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB DRH800R/8GB DRH800RLP/8GB DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/16GB DRH585G2/16GB DRH585G2/16GB DRH585G2/16GB DRH585G2/16GB DRH585G2/64GB	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
The DRH585G2 The DRH800Rx ProLiant DL180 G5 Only one dual-rank ProLiant DL185 G5	k and assocated HP options are D and associated HP options are D	DR2-667 in regular an DR2-800 in regular an 16GB must be installed in th 64GB	nd low (L) p d low (L) pc 6 e first bank 8 <sup>1)</sup>	4GB 8GB 8GB 16GB 64GB 4GB 8GB 8GB 8GB 4GB 4GB 4GB 4GB 4GB 8GB 16GB 64GB 4GB 8GB	408854-B21 483403-B21 408855-B21 495605-B21 497765-B21 497767-B21 504351-B21 processors. 408851-B21 408854-B21 2). 408851-B21 408853-B21 408853-B21 408854-B21 408853-B21 408855-B21 495605-B21 497765-B21	DRH585G2/8GB DRH585G2/16GB DRH585G2/16GB DRH585G2/64GB DRH800R/4GB DRH800R/8GB DRH800RLP/8GB DRH585G2/2GB DRH585G2/2GB DRH585G2/8GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/16GB DRH585G2/16GB DRH585G2/16GB DRH585G2/16GB DRH585G2/16GB DRH585G2/64GB	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

	MODEL	MAX	SLOTS CA	PACITY	MFG #	DATARAM #	BOARD
ProLiant DL320 G5		8GB	4	2GB	432806-B21	DRH320G5/2GB	1
	IMM in the first slot, memory must be in					211102000,202	
			-				1
ProLiant DL320 G5p		8GB	4	2GB	450260-B21	DRH800U/2GB	1
<sup>7</sup> Install DIMMs in mate	ched pairs to take advantage of dual-ch	annel mode a	and best perf	ormance.			
ProLiant DL320s		8GB	4	2GB	432806-B21	DRH320G5/2GB	1 <sup>1</sup>
Except for a single D	IMM in the first slot, memory must be in	stalled in ma	tched pairs.	Three DIMN	Is are not supported.		
ProLiant DL360 G3	X2400, X2800, X3060, X3200	8GB	4	2GB	300680-B21	DRH370/2048	2
				4GB	300682-B21	DRH370/4096	2
ProLiant DL360 G4	X3.0, X3.4, X3.6	8GB	4	2GB	358349-B21	DRH360G4/2GB	1
	alled in matched pairs.	000	4	200	550549-021	DI(1130004/20D	1
ProLiant DL360 G4p		16GB	6	2GB 4GB		DRH380G4/2GB DRH380G4D/4GB	2
				4GB 4GB		DRH380G4S/4GB	2
				8GB	348106-B21	DRH380G4D/8GB	2
<sup>1)</sup> Except for a single [	DIMM in the 1st slot, odd numbered DIM	1Ms are not s	upportedDI				-
No more than the ed	k DIMMs, the dual-rank DIMMs must be quivalent of eight ranks are supported. and DRH380G4D/8GB are dual-rank. Th	The DRH380	G4/2GB and	DRH380G	4S/4GB are single-rank	. The	
Prol iont DI 260 CE		64GB	8	2GB	207/11 021		2
ProLiant DL360 G5		0468	0	2GB 4GB	397411-B21 397413-B21	DRH667FB/2GB DRH667FB/4GB	2
				4GB		DRH667FBL/4GB	2
					397415-B21	DRH667FB/8GB	2
				8GB	466440-B21	DRH667FBL/8GB	2
				16GB	413015-B21	DRH667FB/16GB	2
				64GB	495604-B21	DRH667FB/64GB	8
ProLiant DL365	6440-B21 and Dataram's DRH667FBL	32GB	8	2GB	408851-B21	DRH585G2/2GB	2
				4GB	408853-B21	DRH585G2/4GB	
				4GB 8GB	408853-B21 408854-B21	DRH585G2/4GB DRH585G2/8GB	2
provides 4-way bank The 408851-B21 (DR	MMs per processor node provides 2-wa interleaving. Mixing Single- and Dual-R H585G2/2GB) contains single-rank DIM t be installed in decreasing capacity wit	ank DIMMs o IMs. All other	on the same provide the s	8GB Dual- Rank processor n al-rank DIN	408854-B21 DIMMs per processor n ode will disable bank in 1Ms.	DRH585G2/8GB ode terleaving.	2
provides 4-way bank The 408851-B21 (DR	interleaving. Mixing Single- and Dual-R H585G2/2GB) contains single-rank DIM	ank DIMMs o IMs. All other	on the same provide the s	8GB Dual- Rank processor n al-rank DIN	408854-B21 DIMMs per processor n ode will disable bank in 1Ms.	DRH585G2/8GB ode terleaving. ach processor. DRH585G2/2GB	2 2
provides 4-way bank The 408851-B21 (DR interleaving. Kits mus	interleaving. Mixing Single- and Dual-R H585G2/2GB) contains single-rank DIM	ank DIMMs o IMs. All other h the largest	on the same p rs contain du kits installed	8GB Dual- Rank processor n al-rank DIM in the bank 2GB 4GB	408854-B21 DIMMs per processor n iode will disable bank in IMs. (s furthest away from ea 408851-B21 408853-B21	DRH585G2/8GB ode terleaving. ach processor. DRH585G2/2GB DRH585G2/4GB	2 2 2
provides 4-way bank The 408851-B21 (DR interleaving. Kits mus	interleaving. Mixing Single- and Dual-R H585G2/2GB) contains single-rank DIM	ank DIMMs o IMs. All other h the largest	on the same p rs contain du kits installed	8GB Dual- Rank processor n al-rank DIM in the bank 2GB 4GB 4GB	408854-B21 DIMMs per processor n iode will disable bank in IMs. (s furthest away from ea 408851-B21 408853-B21 483401-B21	DRH585G2/8GB ode terleaving. ach processor. DRH585G2/2GB DRH585G2/4GB DRH585G2L/4GB	2
provides 4-way bank The 408851-B21 (DR interleaving. Kits mus	interleaving. Mixing Single- and Dual-R H585G2/2GB) contains single-rank DIM	ank DIMMs o IMs. All other h the largest	on the same p rs contain du kits installed	8GB Dual- Rank processor n al-rank DIM in the bank 2GB 4GB 4GB 8GB	408854-B21 DIMMs per processor n lode will disable bank in IMs. (s furthest away from ea 408851-B21 408853-B21 483401-B21 408854-B21	DRH585G2/8GB ode terleaving. ach processor. DRH585G2/2GB DRH585G2/4GB DRH585G2L/4GB DRH585G2L/4GB DRH585G2/8GB	2222222
provides 4-way bank The 408851-B21 (DR interleaving. Kits mus	interleaving. Mixing Single- and Dual-R H585G2/2GB) contains single-rank DIM	ank DIMMs o IMs. All other h the largest	on the same p rs contain du kits installed	8GB Dual- Rank processor n al-rank DIM in the bank 2GB 4GB 4GB	408854-B21 DIMMs per processor n loode will disable bank in IMs. (s furthest away from ea 408851-B21 408853-B21 483401-B21 408854-B21	DRH585G2/8GB ode terleaving. ach processor. DRH585G2/2GB DRH585G2/4GB DRH585G2L/4GB	2222222
provides 4-way bank The 408851-B21 (DR interleaving. Kits mus	interleaving. Mixing Single- and Dual-R H585G2/2GB) contains single-rank DIM	ank DIMMs o IMs. All other h the largest	on the same p rs contain du kits installed	8GB Dual- Rank processor n al-rank DIM in the bank 2GB 4GB 4GB 8GB 8GB 8GB 4GB	408854-B21 DIMMs per processor r node will disable bank in IMs. (s furthest away from ea 408851-B21 408853-B21 483401-B21 408854-B21 483403-B21 497765-B21	DRH585G2/8GB terleaving. DRH585G2/2GB DRH585G2/4GB DRH585G2L/4GB DRH585G2L/8GB DRH585G2L/8GB DRH585G2L/8GB DRH800R/4GB	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
provides 4-way bank The 408851-B21 (DR interleaving. Kits mus	interleaving. Mixing Single- and Dual-R H585G2/2GB) contains single-rank DIM	ank DIMMs o IMs. All other h the largest	on the same p rs contain du kits installed	8GB Dual- Rank processor n al-rank DIM in the bank 2GB 4GB 4GB 8GB 8GB 8GB 4GB 8GB	408854-B21 DIMMs per processor n node will disable bank in Ms. (s furthest away from ea 408851-B21 408853-B21 483401-B21 408854-B21 483403-B21 497765-B21 497767-B21	DRH585G2/8GB ode terleaving. ach processor. DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/8GB DRH585G2L/8GB DRH585G2L/8GB DRH800R/4GB DRH800R/4GB DRH800R/8GB	
provides 4-way bank The 408851-B21 (DR interleaving. Kits mus ProLiant DL365 G5 The DRH585G2x a	interleaving. Mixing Single- and Dual-R H585G2/2GB) contains single-rank DIM	ank DIMMs c 1Ms. All other h the largest 32GB 7 in regular a	n the same p rs contain du kits installed 8 8	8GB Dual- Rank processor n al-rank DIM in the bank 2GB 4GB 4GB 8GB 8GB 8GB 8GB 8GB 8GB	408854-B21 DIMMs per processor r node will disable bank in IMs. (s furthest away from ea 408851-B21 408853-B21 483401-B21 408854-B21 483403-B21 497765-B21	DRH585G2/8GB terleaving. DRH585G2/2GB DRH585G2/4GB DRH585G2L/4GB DRH585G2L/8GB DRH585G2L/8GB DRH585G2L/8GB DRH800R/4GB	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
provides 4-way bank The 408851-B21 (DR interleaving. Kits mus ProLiant DL365 G5 The DRH585G2x a The DRH800Rx and	interleaving. Mixing Single- and Dual-R H585G2/2GB) contains single-rank DIM It be installed in decreasing capacity wit	ank DIMMs c 1Ms. All other h the largest 32GB 7 in regular a	n the same p rs contain du kits installed 8 8	8GB Dual- Rank processor n al-rank DIM in the bank 2GB 4GB 4GB 8GB 8GB 8GB 8GB 8GB 8GB	408854-B21 DIMMs per processor n node will disable bank in Ms. (s furthest away from ea 408851-B21 408853-B21 483401-B21 408854-B21 483403-B21 497765-B21 497767-B21	DRH585G2/8GB ode terleaving. ach processor. DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/8GB DRH585G2L/8GB DRH585G2L/8GB DRH800R/4GB DRH800R/4GB DRH800R/8GB	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
provides 4-way bank The 408851-B21 (DR interleaving. Kits mus ProLiant DL365 G5 The DRH585G2x a	interleaving. Mixing Single- and Dual-R H585G2/2GB) contains single-rank DIM It be installed in decreasing capacity wit	ank DIMMs c IMs. All other h the largest 32GB 7 in regular a in regular an	n the same p rs contain du kits installed 8 8 nd low (L) por	8GB Dual- Rank processor n al-rank DIM 2GB 4GB 4GB 8GB 8GB 8GB 8GB 8GB 8GB 9000000000000000000000000000000000000	408854-B21 DIMMs per processor n iode will disable bank in IMs. (s furthest away from ea 408851-B21 408853-B21 483401-B21 408854-B21 483403-B21 497765-B21 497767-B21 504351-B21	DRH585G2/8GB node terleaving. DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/8GB DRH585G2/8GB DRH585G2L/8GB DRH800R/4GB DRH800R/4GB DRH800RLP/8GB	
provides 4-way bank The 408851-B21 (DR interleaving. Kits mus ProLiant DL365 G5 The DRH585G2x a The DRH800Rx and ProLiant DL380 G3	interleaving. Mixing Single- and Dual-R H585G2/2GB) contains single-rank DIM It be installed in decreasing capacity wit	Ank DIMMs c MS. All other h the largest 32GB 7 in regular a in regular an 12GB <sup>1)</sup> essor) canno	n the same p rs contain du kits installed 8 nd low (L) po 6 t use 2GB DI	8GB Dual- Rank processor n al-rank DIM 2GB 4GB 4GB 8GB 8GB 8GB 8GB 8GB 8GB 8GB 8GB 8GB 8	408854-B21 DIMMs per processor r node will disable bank in IMs. (s furthest away from ea 408851-B21 408853-B21 483401-B21 408854-B21 483403-B21 497765-B21 497765-B21 497767-B21 504351-B21 300680-B21 300680-B21 are limited to 6GB maxin	DRH585G2/8GB node terleaving. ach processor. DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/8GB DRH585G2L/8GB DRH585G2L/8GB DRH800R/4GB DRH800R/4GB DRH800RLP/8GB DRH800RLP/8GB	222222222222222222222222222222222222222
provides 4-way bank The 408851-B21 (DR interleaving. Kits mus ProLiant DL365 G5 The DRH585G2x a The DRH800Rx and ProLiant DL380 G3	interleaving. Mixing Single- and Dual-R H585G2/2GB) contains single-rank DIM It be installed in decreasing capacity wit nd assocated HP options are DDR2-66 d associated HP options are DDR2-800 400MHz FSB (2.4GHz or 2.8GHz proc	Ank DIMMs c MS. All other h the largest 32GB 7 in regular a in regular an 12GB <sup>1)</sup> essor) canno	n the same p rs contain du kits installed 8 nd low (L) po 6 t use 2GB DI	8GB Dual- Rank processor n al-rank DIM 2GB 4GB 4GB 8GB 8GB 8GB 8GB 8GB 8GB 8GB 8GB 8GB 8	408854-B21 DIMMs per processor mode will disable bank in Ms. (s furthest away from ear 408851-B21 408853-B21 483401-B21 408854-B21 483403-B21 497765-B21 497767-B21 504351-B21 300680-B21 300680-B21 author of GB maxim 2GB maximum. 343056-B21	DRH585G2/8GB node terleaving. ach processor. DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/8GB DRH585G2/8GB DRH585G2/8GB DRH800R/4GB DRH800R/4GB DRH800RLP/8GB DRH370/2048 DRH370/4096 hum. DRH380G4/2GB	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
provides 4-way bank The 408851-B21 (DR interleaving. Kits mus ProLiant DL365 G5 The DRH585G2x a The DRH800Rx and ProLiant DL380 G3	interleaving. Mixing Single- and Dual-R H585G2/2GB) contains single-rank DIM It be installed in decreasing capacity wit nd assocated HP options are DDR2-66 d associated HP options are DDR2-800 400MHz FSB (2.4GHz or 2.8GHz proc	Ank DIMMs c MS. All other h the largest 32GB 7 in regular a in regular an 12GB <sup>1)</sup> essor) canno n use 2GB DI	n the same p rs contain du kits installed 8 nd low (L) po 6 t use 2GB DI MMs and car	8GB Dual- Rank processor n al-rank DIM 2GB 4GB 8GB 8GB 8GB 8GB 8GB 8GB 8GB 8GB 8GB 8	408854-B21 DIMMs per processor n loode will disable bank in IMs. (s furthest away from ear 408851-B21 408853-B21 483401-B21 408854-B21 483403-B21 497765-B21 497767-B21 504351-B21 300680-B21 300680-B21 300682-B21 are limited to 6GB maxim 2GB maximum. 343056-B21 375004-B21	DRH585G2/8GB node terleaving. ach processor. DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/8GB DRH585G2/8GB DRH800R/4GB DRH800R/8GB DRH800RLP/8GB DRH370/2048 DRH370/4096 hum. DRH380G4/2GB DRH380G4/2GB DRH380G4/2GB	222222222222222222222222222222222222222
provides 4-way bank The 408851-B21 (DR interleaving. Kits mus ProLiant DL365 G5 The DRH585G2x a The DRH800Rx and ProLiant DL380 G3	interleaving. Mixing Single- and Dual-R H585G2/2GB) contains single-rank DIM It be installed in decreasing capacity wit nd assocated HP options are DDR2-66 d associated HP options are DDR2-800 400MHz FSB (2.4GHz or 2.8GHz proc	Ank DIMMs c MS. All other h the largest 32GB 7 in regular a in regular an 12GB <sup>1)</sup> essor) canno n use 2GB DI	n the same p rs contain du kits installed 8 nd low (L) po 6 t use 2GB DI MMs and car	8GB Dual- Rank orocessor n al-rank DIM in the bank 2GB 4GB 8GB 8GB 8GB 8GB 8GB 8GB 8GB 8GB 8GB 8	408854-B21 DIMMs per processor n loode will disable bank in IMs. (s furthest away from ear 408851-B21 408853-B21 483401-B21 408854-B21 483403-B21 497765-B21 497767-B21 504351-B21 300680-B21 300682-B21 are limited to 6GB maxin 2GB maximum. 343056-B21 375004-B21 343057-B21	DRH585G2/8GB node terleaving. ach processor. DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/8GB DRH585G2/8GB DRH800R/4GB DRH800R/4GB DRH800RLP/8GB DRH370/2048 DRH370/4096 num. DRH380G4/2GB DRH380G4/2GB DRH380G4/2GB DRH380G4/2GB DRH380G4/2GB	
provides 4-way bank The 408851-B21 (DR interleaving. Kits mus ProLiant DL365 G5 The DRH585G2x a The DRH800Rx an ProLiant DL380 G3 <sup>1)</sup> Older models with a Newer models with a	interleaving. Mixing Single- and Dual-R H585G2/2GB) contains single-rank DIM It be installed in decreasing capacity wit nd assocated HP options are DDR2-66 d associated HP options are DDR2-800 400MHz FSB (2.4GHz or 2.8GHz proc a 533MHz FSB (2.8GHz processor) car	Ank DIMMs c Ms. All other h the largest 32GB 7 in regular a in regular an 12GB <sup>1)</sup> essor) canno n use 2GB DI 16GB	n the same p rs contain du kits installed 8 nd low (L) por 6 t use 2GB DI MMs and car 6	8GB Dual- Rank processor n al-rank DIM 2GB 4GB 8GB 8GB 8GB 8GB 8GB 8GB 8GB 8GB 8GB 8	408854-B21 DIMMs per processor n loode will disable bank in IMs. (s furthest away from ear 408851-B21 408853-B21 483401-B21 408854-B21 483403-B21 497765-B21 497767-B21 504351-B21 300680-B21 300680-B21 300682-B21 add bank in 2GB maximum. 343056-B21 375004-B21 348106-B21	DRH585G2/8GB node terleaving. ach processor. DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/8GB DRH585G2/8GB DRH800R/4GB DRH800R/8GB DRH800RLP/8GB DRH370/2048 DRH370/4096 hum. DRH380G4/2GB DRH380G4/2GB DRH380G4/2GB DRH380G4/2GB DRH380G4/2GB DRH380G4/2GB DRH380G4/2GB DRH380G4/2GB DRH380G4/2GB DRH380G4/2GB DRH380G4/2GB DRH380G4/2GB	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
provides 4-way bank The 408851-B21 (DR interleaving. Kits mus ProLiant DL365 G5 The DRH585G2x a The DRH800Rx and ProLiant DL380 G3 <sup>1)</sup> Older models with a Newer models with a ProLiant DL380 G4	interleaving. Mixing Single- and Dual-R H585G2/2GB) contains single-rank DIM It be installed in decreasing capacity wit nd assocated HP options are DDR2-66 d associated HP options are DDR2-800 400MHz FSB (2.4GHz or 2.8GHz proc a 533MHz FSB (2.8GHz processor) car	Ank DIMMs c Ms. All other h the largest 32GB 7 in regular a in regular an 12GB <sup>1)</sup> essor) canno n use 2GB DI 16GB IMs are not s	n the same p rs contain du kits installed 8 nd low (L) por 6 t use 2GB DI MMs and car 6 upportedDI	8GB Dual- Rank orocessor n al-rank DIM in the bank 2GB 4GB 8GB 8GB 8GB 8GB 8GB 8GB 8GB 8GB 8GB 8	408854-B21 DIMMs per processor n loode will disable bank in IMs. (s furthest away from ear 408851-B21 408853-B21 483401-B21 408854-B21 483403-B21 497765-B21 497767-B21 504351-B21 300680-B21 300680-B21 300682-B21 are limited to 6GB maxin 2GB maximum. 343056-B21 375004-B21 343057-B21 348106-B21 be installed in matched	DRH585G2/8GB ode terleaving. ach processor. DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/8GB DRH585G2/8GB DRH800R/4GB DRH800R/4GB DRH800RLP/8GB DRH370/4096 num. DRH380G4/2GB DRH380G4/2GB DRH380G4D/4GB DRH380G4D/4GB DRH380G4D/8GB PRH380G4D/8GB	
provides 4-way bank The 408851-B21 (DR interleaving. Kits mus ProLiant DL365 G5 The DRH585G2x a The DRH800Rx an ProLiant DL380 G3 <sup>1)</sup> Older models with a Newer models with a ProLiant DL380 G4 <sup>1)</sup> Except for a single I single- and dual-ran	Interleaving. Mixing Single- and Dual-R H585G2/2GB) contains single-rank DIM It be installed in decreasing capacity wit nd assocated HP options are DDR2-66 d associated HP options are DDR2-800 400MHz FSB (2.4GHz or 2.8GHz proc a 533MHz FSB (2.8GHz processor) car DIMM in the 1st slot, odd numbered DIM k DIMMs, the dual-rank DIMMs must be	Ank DIMMs c Ms. All other h the largest 32GB 7 in regular a in regular an 12GB <sup>1)</sup> essor) canno n use 2GB DI 16GB IMs are not s installed in s	n the same p rs contain du kits installed 8 nd low (L) po 6 t use 2GB DI MMs and car 6 upportedDI slots 1 and 2	8GB Dual- Rank processor n al-rank DIM 2GB 4GB 8GB 8GB 8GB 8GB 8GB 8GB 8GB 8GB 8GB 1MMs and a n achieve 1 2GB 4GB 4GB 8GB 1MMs and a n achieve 1	408854-B21 DIMMs per processor n loode will disable bank in IMs. (s furthest away from ear 408851-B21 408853-B21 483401-B21 408854-B21 483403-B21 497765-B21 497767-B21 504351-B21 300680-B21 300682-B21 are limited to 6GB maxim 2GB maximum. 343056-B21 375004-B21 348106-B21 be installed in matched DIMMs are not support	DRH585G2/8GB node terleaving. ach processor. DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/8GB DRH585G2/8GB DRH800R/4GB DRH800R/8GB DRH800RLP/8GB DRH370/2048 DRH370/4096 NH370/4096 DRH380G4/2GB DRH380G4/2GB DRH380G4D/4GB DRH380G4D/4GB DRH380G4D/8GB PAI380G4D/8GB PAI380G4D/8GB	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
provides 4-way bank The 408851-B21 (DR interleaving. Kits mus ProLiant DL365 G5 The DRH585G2x a The DRH800Rx and ProLiant DL380 G3 <sup>1)</sup> Older models with a Newer models with a ProLiant DL380 G4 <sup>1)</sup> Except for a single I single- and dual-ran No more than the ed	interleaving. Mixing Single- and Dual-R H585G2/2GB) contains single-rank DIM It be installed in decreasing capacity wit nd assocated HP options are DDR2-66 d associated HP options are DDR2-800 400MHz FSB (2.4GHz or 2.8GHz proc a 533MHz FSB (2.8GHz processor) car	Ank DIMMs c MS. All other h the largest 32GB 7 in regular a in regular an 12GB <sup>1)</sup> essor) canno b use 2GB DI 16GB 1Ms are not s b installed in s The DRH380	n the same p rs contain du kits installed 8 nd low (L) por 6 t use 2GB DI MMs and car 6 upportedDI slots 1 and 2 G4/2GB and	8GB Dual- Rank orocessor n al-rank DIM 2GB 4GB 8GB 8GB 8GB 8GB 8GB 8GB 8GB 8GB 8GB 8	408854-B21 DIMMs per processor n loode will disable bank in IMs. (s furthest away from ear 408851-B21 408853-B21 483401-B21 408854-B21 483403-B21 497765-B21 497767-B21 504351-B21 300680-B21 300680-B21 300682-B21 are limited to 6GB maxin 2GB maximum. 343056-B21 375004-B21 343057-B21 348106-B21 be installed in matched DIMMs are not support 4S/4GB are single-rank	DRH585G2/8GB node terleaving. ach processor. DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/8GB DRH585G2/8GB DRH800R/4GB DRH800R/2GB DRH800RLP/8GB DRH370/4096 num. DRH380G4/2GB DRH380G4/2GB DRH380G4D/4GB DRH380G4D/4GB DRH380G4D/4GB DRH380G4D/8GB pairs. If using both ed in slots 5 and 6. . The	

	MODEL	MAX	SLOTS C	APACITY	MFG #	DATARAM #	BOARDS
ProLiant DL380 G5		64GB	8	2GB	397411-B21	DRH667FB/2GB	2
TIOEIdin DE000 00		0400	0	4GB	397413-B21	DRH667FB/4GB	2
				4GB		DRH667FBL/4GB	2
				8GB		DRH667FB/8GB	2
				8GB		DRH667FBL/8GB	2
				16GB		DRH667FB/16GB	2
DIMMs must be install	ed in matched pairs.			64GB	495604-B21	DRH667FB/64GB	8
HP's 461828-B21, 466	6440-B21 and Dataram's DRH667FB	L/4GB, DRH66	7FBL/8GB	are Low Pov	wer DIMMs.		
ProLiant DL385		32GB <sup>1)</sup>	8	4GB	379300-B21	DRH385/4GB	2
				8GB <sup>2)</sup>	395409-B21	DRH585/8GB	2
·	processor; 16GB maximum for singl Option Kit (HP# 293048-B21) is requ	·		0-B21 or DE	PH585/8CR is used		
ProLiant DL385 G2		32GB	8	2GB	408851-B21	DRH585G2/2GB	2
				4GB		DRH585G2/4GB	2
				8GB	408854-B21	DRH585G2/8GB	2
	H585G2/2GB) contains single-rank D be installed in decreasing capacity w					ach processor.	
ProLiant DL385 G5		64GB	8	2GB	408851-B21	DRH585G2/2GB	2
				4GB	408853-B21	DRH585G2/4GB	2
				4GB		DRH585G2L/4GB	2
				8GB		DRH585G2/8GB	2
				8GB		DRH585G2L/8GB	2
				16GB		DRH585G2/16GB	2
	IMs per processor node provides 2-w			64GB Dual- Rank	495605-B21 DIMMs per processor i	DRH585G2/64GB	8
provides 4-way bank in The 408851-B21 (DRF	IMs per processor node provides 2-w nterleaving. Mixing Single- and Dual- 1585G2/2GB) and 483401-B21 (DRF in decreasing capacity with the larges	Rank DIMMs o 1585G2L/4GB)	n the same contain sin	64GB Dual- Rank processor r gle-rank DIM	495605-B21 DIMMs per processor node will disable bank ir MS. All others contain	DRH585G2/64GB node iterleaving. dual-rank DIMMs.	
provides 4-way bank in The 408851-B21 (DRH Kits must be installed	nterleaving. Mixing Single- and Dual- I585G2/2GB) and 483401-B21 (DRF	Rank DIMMs c I585G2L/4GB) st kits installed	n the same contain sin in the bank	64GB Dual- Rank processor r gle-rank DIN s furthest av	495605-B21 DIMMs per processor node will disable bank ir MS. All others contain vay from each processo	DRH585G2/64GB node terleaving. dual-rank DIMMs. r.	8
provides 4-way bank in The 408851-B21 (DRH Kits must be installed	nterleaving. Mixing Single- and Dual- I585G2/2GB) and 483401-B21 (DRF	Rank DIMMs o 1585G2L/4GB)	n the same contain sin	64GB Dual- Rank processor r gle-rank DIN s furthest av 4GB	495605-B21 DIMMs per processor node will disable bank in MS. All others contain vay from each processo 497765-B21	DRH585G2/64GB node iterleaving. dual-rank DIMMs. ir. DRH800R/4GB	8
provides 4-way bank in The 408851-B21 (DRF	nterleaving. Mixing Single- and Dual- I585G2/2GB) and 483401-B21 (DRF	Rank DIMMs c I585G2L/4GB) st kits installed	n the same contain sin in the bank	64GB Dual- Rank processor r gle-rank DIN s furthest aw 4GB 8GB	495605-B21 DIMMs per processor node will disable bank in MS. All others contain vay from each processo 497765-B21	DRH585G2/64GB node terleaving. dual-rank DIMMs. r.	8 2 2
provides 4-way bank in The 408851-B21 (DRH Kits must be installed	nterleaving. Mixing Single- and Dual- I585G2/2GB) and 483401-B21 (DRF	Rank DIMMs c I585G2L/4GB) st kits installed	n the same contain sin in the bank	64GB Dual- Rank processor r gle-rank DIM s furthest av 4GB 8GB 8GB	495605-B21 DIMMs per processor in node will disable bank in Ms. All others contain of vay from each processor 497765-B21 497767-B21 504351-B21	DRH585G2/64GB hode hterleaving. dual-rank DIMMs. hr. DRH800R/4GB DRH800R/8GB DRH800RLP/8GB	8 2 2 2
provides 4-way bank in The 408851-B21 (DRH Kits must be installed	nterleaving. Mixing Single- and Dual- I585G2/2GB) and 483401-B21 (DRF	Rank DIMMs c I585G2L/4GB) st kits installed	n the same contain sin in the bank	64GB Dual- Rank processor r gle-rank DIN s furthest aw 4GB 8GB	495605-B21 DIMMs per processor in node will disable bank in Ms. All others contain of vay from each processor 497765-B21 497767-B21 504351-B21 408855-B21	DRH585G2/64GB node iterleaving. dual-rank DIMMs. ir. DRH800R/4GB DRH800R/8GB	8 2 2 2 2 2 2
provides 4-way bank in The 408851-B21 (DRI- Kits must be installed ProLiant DL385 G5p Four Single-Rank DIM provides 4-way bank in The 497765-B21 (DRI- Kits must be installed The DRH585G2 and a	nterleaving. Mixing Single- and Dual- I585G2/2GB) and 483401-B21 (DRF	Rank DIMMs c 1585G2L/4GB) st kits installed 128GB ray bank interle Rank DIMMs c MS. All others st kits installed	n the same contain sin in the bank 16 aving. Four n the same contain dua in the bank	64GB Dual- Rank processor r gle-rank DIM s furthest av 4GB 8GB 8GB 16GB 64GB Dual- Rank processor r al-rank DIM s furthest av	495605-B21 DIMMs per processor in node will disable bank in Ms. All others contain of vay from each processor 497765-B21 497767-B21 504351-B21 408855-B21 495605-B21 DIMMs per processor in node will disable bank in Ms.	DRH585G2/64GB node node nterleaving. dual-rank DIMMs. vr. DRH800R/4GB DRH800R/8GB DRH800RLP/8GB DRH585G2/16GB DRH585G2/16GB node nterleaving.	8
provides 4-way bank in The 408851-B21 (DRH Kits must be installed ProLiant DL385 G5p Four Single-Rank DIM provides 4-way bank in The 497765-B21 (DRH Kits must be installed The DRH585G2 and a The DRH800Rx and a	Interleaving. Mixing Single- and Dual- H585G2/2GB) and 483401-B21 (DRH in decreasing capacity with the larges Ms per processor node provides 2-w Interleaving. Mixing Single- and Dual- H800R/4GB) contains single-rank DIM in decreasing capacity with the larges Issocated HP options are DDR2-667.	Rank DIMMs c 1585G2L/4GB) st kits installed 128GB ray bank interle Rank DIMMs c MS. All others st kits installed	n the same contain sin in the bank 16 aving. Four n the same contain dua in the bank	64GB Dual- Rank processor r gle-rank DIM s furthest av 4GB 8GB 8GB 16GB 64GB Dual- Rank processor r al-rank DIM s furthest av	495605-B21 DIMMs per processor in node will disable bank in Ms. All others contain of vay from each processor 497765-B21 497767-B21 504351-B21 408855-B21 495605-B21 DIMMs per processor in node will disable bank in Ms.	DRH585G2/64GB node node nterleaving. dual-rank DIMMs. vr. DRH800R/4GB DRH800R/8GB DRH800RLP/8GB DRH585G2/16GB DRH585G2/16GB node nterleaving.	8
provides 4-way bank in The 408851-B21 (DRI- Kits must be installed ProLiant DL385 G5p Four Single-Rank DIM provides 4-way bank in The 497765-B21 (DRI- Kits must be installed The DRH585G2 and a	Iterleaving. Mixing Single- and Dual- 1585G2/2GB) and 483401-B21 (DRH in decreasing capacity with the larges with the larges line decreasing capacity with the larges sociated HP options single- and Dual- 1800R/4GB) contains single- rank DIM in decreasing capacity with the larges issociated HP options are DDR2-667. ssociated HP options are DDR2-800 X1.5, X1.9, X2.0, X2.2	Rank DIMMs c 1585G2L/4GB) st kits installed 128GB ay bank interle Rank DIMMs c MMs. All others st kits installed in regular and	n the same contain sin in the bank 16 aving. Four n the same contain du in the bank low (L) pow	64GB Dual- Rank processor rr gle-rank DIM s furthest aw 4GB 8GB 8GB 16GB 64GB Dual- Rank processor r al-rank DIMM s furthest aw ver. 2GB	495605-B21 DIMMs per processor in Ms. All others contain of vay from each processor 497765-B21 497767-B21 504351-B21 408855-B21 495605-B21 DIMMs per processor in bode will disable bank in Ms. vay from each processor 300680-B21	DRH585G2/64GB node nterleaving. dual-rank DIMMs. vr. DRH800R/4GB DRH800R/8GB DRH800RLP/8GB DRH585G2/16GB DRH585G2/64GB node nterleaving. vr. DRH370/2048	8 2 2 2 2 8
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		SLOTS CAF	AUIT	MFG #	DATARAM #	
ProLiant DL580 G4	64GB	16 <sup>1)</sup>	2GB	343056-B21	DRH380G4/2GB	2
	0100	10	4GB		DRH380G4D/4GB	2
			4GB	343057-B21	DRH380G4S/4GB	2
			8GB	348106-B21	DRH380G4D/8GB	2
<sup>1)</sup> Memory is installed on 1 to 4 riser cards. Each ri If using both single and dual rank DIMMs, the dua The DRH380G4/2GB and DRH380G4S/4GB are	al rank DIMMs must be in	nstalled in the	e first bank.		nk.	
ProLiant DL580 G5	256GB	32 <sup>1)</sup>	2GB	397411-B21	DRH667FB/2GB	2 <sup>2</sup>
FIGLIAII DE360 G3	23060	52		397413-B21	DRH667FB/4GB	2 2 <sup>2</sup>
				461828-B21	DRH667FBL/4GB	
			4GB 8GB		DRH667FB/8GB	2 <sup>2</sup>
			8GB		DRH667FBL/8GB	2 <sup>2</sup>
			16GB		DRH667FB/16GB	2 <sup>2</sup>
			64GB	495604-B21	DRH667FB/64GB	2 <sup>2</sup> 8
<sup>1)</sup> The DL580 G5 will be configured with 4 or 8 HP 4 of these HP Expansion Boards, HP offers a D expansion boards with 4 DIMM slots each for a	L580 G5 Memory Expar	sion Boards	ntaining 4 [ Option (452	DIMM slots. For system 2179-B21). This option	ns configured with just consists of 4 memory	0
<sup>2)</sup> To achieve maximum memory performance and HP's 461828-B21, 466440-B21 and Dataram's DF					5.	
ProLiant DL585	128GB	32 <sup>1)</sup>	2GB	300680-B21	DRH370/2048	2
[DDR266 PC2100 Memory Options]			4GB	300682-B21	DRH370/4096	2
[DDR333 PC2700 Memory Options] 2)			4GB 8GB	371049-B21 395409-B21	DRH585/4GB DRH585/8GB	2 2
[DDR400 PC3200 Memory Options] <sup>3)</sup>			4GB	379300-B21	DRH385/4GB	2
<sup>1)</sup> Memory is installed on 2 to 4 processor memory	boards. The processor	nemory boar	de have 8 F			
	DR333/PC2700 at 333N	1Hz in 6 slots				
version dated July 26, 2004 (07/26/04) or later a <sup>3)</sup> DDR400/PC3200 memory is supported on a PC3	re required. Installing mage 3200-only processor	ore than 6 DE				
<sup>2)</sup> DDR333/PC2700 at 333MHz speeds limits DIMM version dated July 26, 2004 (07/26/04) or later a	re required. Installing m 3200-only processor ximum memory capacity	ore than 6 DE v of 32GB.	DR333/PC2	2700 DIMMs will cause	the memory to run at 266MHz.	
<ul> <li><sup>2)</sup> DDR333/PC2700 at 333MHz speeds limits DIMN version dated July 26, 2004 (07/26/04) or later a</li> <li><sup>3)</sup> DDR400/PC3200 memory is supported on a PC3 board (012567-001) with 4 DIMM slots, for a ma</li> <li>All DIMMs on a particular processor memory boa</li> </ul>	re required. Installing m 3200-only processor ximum memory capacity	ore than 6 DE v of 32GB.	Capacities	2700 DIMMs will cause may differ between pro 408851-B21	the memory to run at 266MHz. bocessor memory boards. DRH585G2/2GB	
<ul> <li><sup>2)</sup> DDR333/PC2700 at 333MHz speeds limits DIMN version dated July 26, 2004 (07/26/04) or later a</li> <li><sup>3)</sup> DDR400/PC3200 memory is supported on a PC3 board (012567-001) with 4 DIMM slots, for a ma</li> <li>All DIMMs on a particular processor memory boa</li> </ul>	re required. Installing magnetic solution of the second se	ore than 6 DE 7 of 32GB. capacity, but	Capacities 2GB 4GB	2700 DIMMs will cause may differ between pro 408851-B21 408853-B21	becessor memory boards. DRH585G2/2GB DRH585G2/4GB	2
<ul> <li><sup>2)</sup> DDR333/PC2700 at 333MHz speeds limits DIMN version dated July 26, 2004 (07/26/04) or later a</li> <li><sup>3)</sup> DDR400/PC3200 memory is supported on a PC3 board (012567-001) with 4 DIMM slots, for a ma</li> <li>All DIMMs on a particular processor memory boa</li> </ul>	re required. Installing magnetic solution of the second se	ore than 6 DE 7 of 32GB. capacity, but	Capacities 2GB 4GB 8GB	2700 DIMMs will cause may differ between pro 408851-B21 408853-B21 408854-B21	the memory to run at 266MHz. Decessor memory boards. DRH585G2/2GB DRH585G2/4GB DRH585G2/8GB	2 2
<ul> <li><sup>2)</sup> DDR333/PC2700 at 333MHz speeds limits DIMN version dated July 26, 2004 (07/26/04) or later a</li> <li><sup>3)</sup> DDR400/PC3200 memory is supported on a PC3 board (012567-001) with 4 DIMM slots, for a ma</li> <li>All DIMMs on a particular processor memory boa</li> </ul>	re required. Installing magnetic solution of the second se	ore than 6 DE 7 of 32GB. capacity, but	Capacities 2GB 4GB 8GB 16GB	2700 DIMMs will cause may differ between pro 408851-B21 408853-B21 408854-B21 408855-B21	the memory to run at 266MHz. DCCESSOR memory boards. DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/16GB	2 2 2
<ul> <li><sup>2)</sup> DDR333/PC2700 at 333MHz speeds limits DIMN version dated July 26, 2004 (07/26/04) or later a</li> <li><sup>3)</sup> DDR400/PC3200 memory is supported on a PC3 board (012567-001) with 4 DIMM slots, for a ma</li> <li>All DIMMs on a particular processor memory boa</li> <li>ProLiant DL585 G2</li> </ul>	re required. Installing m 3200-only processor ximum memory capacity rd must be of the same 256GB	ore than 6 DE r of 32GB. capacity, but 32 <sup>1)</sup>	Capacities 2GB 4GB 8GB	2700 DIMMs will cause may differ between pro 408851-B21 408853-B21 408854-B21	the memory to run at 266MHz. Decessor memory boards. DRH585G2/2GB DRH585G2/4GB DRH585G2/8GB	2 2 2
<ul> <li><sup>2)</sup> DDR333/PC2700 at 333MHz speeds limits DIMN version dated July 26, 2004 (07/26/04) or later a</li> <li><sup>3)</sup> DDR400/PC3200 memory is supported on a PC3 board (012567-001) with 4 DIMM slots, for a ma</li> <li>All DIMMs on a particular processor memory boa</li> <li>ProLiant DL585 G2</li> </ul>	re required. Installing m 3200-only processor ximum memory capacity rd must be of the same 256GB ots per processor memo than 4 DDR2-667 (PC2- to 533MHz essor node provides 2-w ving. Mixing Single- and	ry bus) 5300) 4GB D 232 <sup>1)</sup>	capacities ( 2GB 4GB 8GB 16GB 64GB IMMs per p leaving. Fo	2700 DIMMs will cause may differ between pro 408851-B21 408853-B21 408853-B21 408855-B21 408855-B21 405605-B21 processor memory bus; pur Dual- Rank DIMMs ne same processor nod	the memory to run at 266MHz. DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/16GB DRH585G2/64GB (2, 4 and 8GB DIMMs) le will disable bank	2
<ul> <li><sup>2)</sup> DDR333/PC2700 at 333MHz speeds limits DIMM version dated July 26, 2004 (07/26/04) or later a</li> <li><sup>3)</sup> DDR400/PC3200 memory is supported on a PC3 board (012567-001) with 4 DIMM slots, for a maximum All DIMMs on a particular processor memory boa</li> <li><sup>1)</sup> 32 DIMM slots (4 processor memory buses; 8 slot 667MHz memory performance requires no more t any more will result in the memory slowing down to Four Single-Rank DIMMs (1GB DIMMs) per processor node provides 4-way bank interleaving. Kits must be installed in decreasing of the standard stand</li></ul>	re required. Installing m 3200-only processor ximum memory capacity rd must be of the same 256GB ots per processor memo than 4 DDR2-667 (PC2- to 533MHz essor node provides 2-w ving. Mixing Single- and capacity with the largest	ry bus) 5300) 4GB D ay bank inter Dual-Rank D kits installed	capacities ( 2GB 4GB 8GB 16GB 64GB IMMs per p leaving. Fo IMMs on th in the bank	2700 DIMMs will cause may differ between pro 408851-B21 408853-B21 408854-B21 408855-B21 405605-B21 processor memory bus; bur Dual- Rank DIMMs he same processor nod as furthest away from e	the memory to run at 266MHz. DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/16GB DRH585G2/16GB DRH585G2/64GB	2 2 8
<ul> <li><sup>2)</sup> DDR333/PC2700 at 333MHz speeds limits DIMM version dated July 26, 2004 (07/26/04) or later a</li> <li><sup>3)</sup> DDR400/PC3200 memory is supported on a PC3 board (012567-001) with 4 DIMM slots, for a maximum All DIMMs on a particular processor memory boa</li> <li><sup>4)</sup> 32 DIMM slots (4 processor memory buses; 8 slot 667MHz memory performance requires no more t any more will result in the memory slowing down to Four Single-Rank DIMMs (1GB DIMMs) per processor node provides 4-way bank interleaving. Kits must be installed in decreasing of the standard stand</li></ul>	re required. Installing m 3200-only processor ximum memory capacity rd must be of the same 256GB ots per processor memo than 4 DDR2-667 (PC2- to 533MHz essor node provides 2-w ving. Mixing Single- and	ry bus) 5300) 4GB D 232 <sup>1)</sup>	capacities ( 2GB 4GB 8GB 16GB 64GB IMMs per p Ileaving. Fo IIMMs on th in the bank 2GB	2700 DIMMs will cause may differ between pro 408851-B21 408853-B21 408854-B21 408855-B21 405605-B21 processor memory bus; bur Dual- Rank DIMMs he same processor nod ks furthest away from e 408851-B21	the memory to run at 266MHz. DRH585G2/2GB DRH585G2/4GB DRH585G2/8GB DRH585G2/16GB DRH585G2/16GB DRH585G2/64GB	2 2 2 8
<ul> <li><sup>2)</sup> DDR333/PC2700 at 333MHz speeds limits DIMM version dated July 26, 2004 (07/26/04) or later a</li> <li><sup>3)</sup> DDR400/PC3200 memory is supported on a PC3 board (012567-001) with 4 DIMM slots, for a maximum All DIMMs on a particular processor memory boa</li> <li><sup>4)</sup> 32 DIMM slots (4 processor memory buses; 8 slot 667MHz memory performance requires no more t any more will result in the memory slowing down to Four Single-Rank DIMMs (1GB DIMMs) per processor node provides 4-way bank interleaving. Kits must be installed in decreasing of the standard stand</li></ul>	re required. Installing m 3200-only processor ximum memory capacity rd must be of the same 256GB ots per processor memo than 4 DDR2-667 (PC2- to 533MHz essor node provides 2-w ving. Mixing Single- and capacity with the largest	ry bus) 5300) 4GB D ay bank inter Dual-Rank D kits installed	capacities ( 2GB 4GB 8GB 16GB 64GB IMMs per p Ileaving. Fo IIMMs on th in the bank 2GB 4GB	2700 DIMMs will cause may differ between pro 408851-B21 408853-B21 408854-B21 408855-B21 405605-B21 processor memory bus; bur Dual- Rank DIMMs he same processor nod ts furthest away from e 408851-B21 408853-B21	the memory to run at 266MHz. DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/16GB DRH585G2/16GB DRH585G2/64GB (2, 4 and 8GB DIMMs) le will disable bank ach processor. DRH585G2/2GB DRH585G2/2GB DRH585G2/4GB	2228
<ul> <li><sup>2)</sup> DDR333/PC2700 at 333MHz speeds limits DIMM version dated July 26, 2004 (07/26/04) or later a</li> <li><sup>3)</sup> DDR400/PC3200 memory is supported on a PC3 board (012567-001) with 4 DIMM slots, for a maximum All DIMMs on a particular processor memory boa</li> <li><sup>4)</sup> 32 DIMM slots (4 processor memory buses; 8 slot 667MHz memory performance requires no more t any more will result in the memory slowing down to Four Single-Rank DIMMs (1GB DIMMs) per processor node provides 4-way bank interleaving. Kits must be installed in decreasing of the standard stand</li></ul>	re required. Installing m 3200-only processor ximum memory capacity rd must be of the same 256GB ots per processor memo than 4 DDR2-667 (PC2- to 533MHz essor node provides 2-w ving. Mixing Single- and capacity with the largest	ry bus) 5300) 4GB D ay bank inter Dual-Rank D kits installed	Capacities ( 2GB 4GB 8GB 16GB 64GB IMMs per p Ileaving. Fo IIMMs on th in the bank 2GB 4GB 4GB	2700 DIMMs will cause may differ between pro 408851-B21 408853-B21 408854-B21 408855-B21 495605-B21 processor memory bus; bur Dual- Rank DIMMs he same processor nod ts furthest away from e 408851-B21 408853-B21 483401-B21	the memory to run at 266MHz. DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/16GB DRH585G2/16GB DRH585G2/64GB (2, 4 and 8GB DIMMs) le will disable bank ach processor. DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB	2228
<ul> <li><sup>2)</sup> DDR333/PC2700 at 333MHz speeds limits DIMM version dated July 26, 2004 (07/26/04) or later a</li> <li><sup>3)</sup> DDR400/PC3200 memory is supported on a PC3 board (012567-001) with 4 DIMM slots, for a maximum All DIMMs on a particular processor memory boa</li> <li><sup>4)</sup> 32 DIMM slots (4 processor memory buses; 8 slot 667MHz memory performance requires no more t any more will result in the memory slowing down to Four Single-Rank DIMMs (1GB DIMMs) per processor node provides 4-way bank interleaving. Kits must be installed in decreasing of the standard stand</li></ul>	re required. Installing m 3200-only processor ximum memory capacity rd must be of the same 256GB ots per processor memo than 4 DDR2-667 (PC2- to 533MHz essor node provides 2-w ving. Mixing Single- and capacity with the largest	ry bus) 5300) 4GB D ay bank inter Dual-Rank D kits installed	Capacities ( 2GB 4GB 8GB 16GB 64GB IMMs per p Ileaving. Fo IIMMs on th in the bank 2GB 4GB 4GB 8GB	2700 DIMMs will cause may differ between pro 408851-B21 408853-B21 408854-B21 408855-B21 495605-B21 broccessor memory bus; bur Dual- Rank DIMMs he same processor nod ts furthest away from e 408851-B21 408853-B21 483401-B21 408854-B21	the memory to run at 266MHz. DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/8GB DRH585G2/16GB DRH585G2/16GB DRH585G2/64GB IRH585G2/64GB DRH585G2/2GB DRH585G2/2GB DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB	2228
<ul> <li><sup>2)</sup> DDR333/PC2700 at 333MHz speeds limits DIMM version dated July 26, 2004 (07/26/04) or later a</li> <li><sup>3)</sup> DDR400/PC3200 memory is supported on a PC3 board (012567-001) with 4 DIMM slots, for a maximum All DIMMs on a particular processor memory boa</li> <li><sup>4)</sup> 32 DIMM slots (4 processor memory buses; 8 slot 667MHz memory performance requires no more t any more will result in the memory slowing down to Four Single-Rank DIMMs (1GB DIMMs) per processor node provides 4-way bank interleaving. Kits must be installed in decreasing of the standard stand</li></ul>	re required. Installing m 3200-only processor ximum memory capacity rd must be of the same 256GB ots per processor memo than 4 DDR2-667 (PC2- to 533MHz essor node provides 2-w ving. Mixing Single- and capacity with the largest	ry bus) 5300) 4GB D ay bank inter Dual-Rank D kits installed	Capacities ( 2GB 4GB 8GB 16GB 64GB IMMs per p Ileaving. Fo IMMs on th in the bank 2GB 4GB 4GB 8GB 8GB	2700 DIMMs will cause may differ between pro 408851-B21 408853-B21 408854-B21 408855-B21 495605-B21 broccessor memory bus; bur Dual- Rank DIMMs be same processor nod ss furthest away from e 408851-B21 408853-B21 483401-B21 408854-B21 483403-B21	the memory to run at 266MHz. DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/16GB DRH585G2/16GB DRH585G2/64GB CRH585G2/64GB DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB	2 2 8 8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
<ul> <li><sup>2)</sup> DDR333/PC2700 at 333MHz speeds limits DIMM version dated July 26, 2004 (07/26/04) or later a</li> <li><sup>3)</sup> DDR400/PC3200 memory is supported on a PC3 board (012567-001) with 4 DIMM slots, for a maximum All DIMMs on a particular processor memory boa</li> <li><sup>4)</sup> 32 DIMM slots (4 processor memory buses; 8 slot 667MHz memory performance requires no more t any more will result in the memory slowing down to Four Single-Rank DIMMs (1GB DIMMs) per processor node provides 4-way bank interleaving. Kits must be installed in decreasing of the standard stand</li></ul>	re required. Installing m 3200-only processor ximum memory capacity rd must be of the same 256GB ots per processor memo than 4 DDR2-667 (PC2- to 533MHz essor node provides 2-w ving. Mixing Single- and capacity with the largest	ry bus) 5300) 4GB D ay bank inter Dual-Rank D kits installed	Capacities ( 2GB 4GB 8GB 16GB 64GB IMMs per p Ileaving. Fo IMMs on th in the bank 2GB 4GB 4GB 8GB 8GB 16GB	2700 DIMMs will cause may differ between pro 408851-B21 408853-B21 408854-B21 408855-B21 495605-B21 brocessor memory bus; bur Dual- Rank DIMMs be same processor nod ss furthest away from e 408851-B21 408851-B21 408853-B21 483403-B21 408855-B21	the memory to run at 266MHz. DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/16GB DRH585G2/16GB DRH585G2/16GB DRH585G2/64GB DRH585G2/64GB DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/8GB DRH585G2/16GB	2 2 8 8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
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<ul> <li><sup>2)</sup> DDR333/PC2700 at 333MHz speeds limits DIMM version dated July 26, 2004 (07/26/04) or later a</li> <li><sup>3)</sup> DDR400/PC3200 memory is supported on a PC3 board (012567-001) with 4 DIMM slots, for a maximum All DIMMs on a particular processor memory boa</li> <li><sup>4)</sup> 32 DIMM slots (4 processor memory buses; 8 slot 667MHz memory performance requires no more t any more will result in the memory slowing down to Four Single-Rank DIMMs (1GB DIMMs) per processor node provides 4-way bank interleaving. Kits must be installed in decreasing of the standard stand</li></ul>	re required. Installing m 3200-only processor ximum memory capacity rd must be of the same 256GB ots per processor memo than 4 DDR2-667 (PC2- to 533MHz essor node provides 2-w ving. Mixing Single- and capacity with the largest	ry bus) 5300) 4GB D ay bank inter Dual-Rank D kits installed	Capacities ( 2GB 4GB 8GB 16GB 64GB IMMs per p leaving. Fo IMMs on th in the bank 2GB 4GB 4GB 8GB 8GB 8GB 16GB 64GB	2700 DIMMs will cause may differ between pro 408851-B21 408853-B21 408853-B21 408855-B21 408855-B21 405605-B21 brocessor memory bus; bur Dual- Rank DIMMs be same processor nod cs furthest away from e 408851-B21 408853-B21 408854-B21 408855-B21 405605-B21	the memory to run at 266MHz. DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/16GB DRH585G2/16GB DRH585G2/16GB DRH585G2/64GB CRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/16GB DRH585G2/16GB DRH585G2/16GB	2 2 8 8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
<ul> <li><sup>2)</sup> DDR333/PC2700 at 333MHz speeds limits DIMM version dated July 26, 2004 (07/26/04) or later a</li> <li><sup>3)</sup> DDR400/PC3200 memory is supported on a PC3 board (012567-001) with 4 DIMM slots, for a maximum All DIMMs on a particular processor memory boa</li> <li><sup>4)</sup> 32 DIMM slots (4 processor memory buses; 8 slot 667MHz memory performance requires no more t any more will result in the memory slowing down to Four Single-Rank DIMMs (1GB DIMMs) per processor node provides 4-way bank interleaving. Kits must be installed in decreasing of the standard stand</li></ul>	re required. Installing m 3200-only processor ximum memory capacity rd must be of the same 256GB ots per processor memo than 4 DDR2-667 (PC2- to 533MHz essor node provides 2-w ving. Mixing Single- and capacity with the largest	ry bus) 5300) 4GB D ay bank inter Dual-Rank D kits installed	Capacities ( 2GB 4GB 8GB 16GB 64GB IMMs per p Ieaving. Fo IMMs on th in the bank 2GB 4GB 4GB 8GB 8GB 16GB 64GB 4GB	2700 DIMMs will cause may differ between pro 408851-B21 408853-B21 408854-B21 408855-B21 408855-B21 405605-B21 405605-B21 408851-B21 408851-B21 408853-B21 408854-B21 408854-B21 408855-B21 405605-B21 497765-B21	the memory to run at 266MHz. DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/16GB DRH585G2/16GB DRH585G2/16GB DRH585G2/64GB DRH585G2/2GB DRH585G2/2GB DRH585G2/2GB DRH585G2/2GB DRH585G2/26B DRH585G2/26B DRH585G2/26B DRH585G2/26B DRH585G2/26B DRH585G2/26B DRH585G2/26B DRH585G2/26B DRH585G2/26B DRH585G2/26B DRH585G2/26B DRH585G2/264B DRH585G2/264B DRH585G2/264B	2 2 2 8 8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
<ul> <li><sup>2)</sup> DDR333/PC2700 at 333MHz speeds limits DIMM version dated July 26, 2004 (07/26/04) or later a</li> <li><sup>3)</sup> DDR400/PC3200 memory is supported on a PC3 board (012567-001) with 4 DIMM slots, for a max All DIMMs on a particular processor memory boa</li> <li>ProLiant DL585 G2</li> <li><sup>1)</sup> 32 DIMM slots (4 processor memory buses; 8 slot 667MHz memory performance requires no more t any more will result in the memory slowing down a Four Single-Rank DIMMs (1GB DIMMs) per proces per processor node provides 4-way bank interleaver</li> </ul>	re required. Installing m 3200-only processor ximum memory capacity rd must be of the same 256GB ots per processor memo than 4 DDR2-667 (PC2- to 533MHz essor node provides 2-w ving. Mixing Single- and capacity with the largest	ry bus) 5300) 4GB D ay bank inter Dual-Rank D kits installed	Capacities ( 2GB 4GB 8GB 16GB 64GB IMMs per p leaving. Fo IMMs on th in the bank 2GB 4GB 4GB 8GB 16GB 64GB 16GB 64GB 8GB	2700 DIMMs will cause may differ between pro 408851-B21 408853-B21 408853-B21 408855-B21 408855-B21 405605-B21 brocessor memory bus; bur Dual- Rank DIMMs be same processor nod cs furthest away from e 408851-B21 408853-B21 408854-B21 408855-B21 405605-B21	the memory to run at 266MHz. DRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/16GB DRH585G2/16GB DRH585G2/16GB DRH585G2/64GB CRH585G2/2GB DRH585G2/4GB DRH585G2/4GB DRH585G2/4GB DRH585G2/16GB DRH585G2/16GB DRH585G2/16GB	2 2 8

FAMILY	MODEL	MAX	SLOTS CAPACITY	MFG #	DATARAM #	BOARDS
ProLiant DL785 G5		512GB	64 <sup>1)</sup> 2GB	408851-B21	DRH585G2/2GB	2
			4GB	408853-B21	DRH585G2/4GB	2
			4GB	483401-B21	DRH585G2L/4GB	2
			8GB	408854-B21	DRH585G2/8GB	2
			8GB	483403-B21	DRH585G2L/8GB	2
			16GB	408855-B21	DRH585G2/16GB	2
			64GB	495605-B21	DRH585G2/64GB	8
			4GB	497765-B21	DRH800R/4GB	2
			8GB	497767-B21	DRH800R/8GB	2
			8GB	504351-B21	DRH800RLP/8GB	2

<sup>1)</sup> The server supports 4 or 8 Processor Memory Cell Boards. Each Cell Board contains one processor socket and 8 DIMM slots. Valid configurations are 4 Cell Boards or 8 Cell Boards (32 or 64 DIMM slots). A minimum of two DIMMs (1 kit) must be installed per processor. Each Cell Board must contain the same number of DIMMs. The DRH585G2x and assocated HP options are DDR2-667 in regular and low (L) power. The DRH800Rx and associated HP options are DDR2-680 in regular and low (L) power. S00MHz memory bus speeds are only supported on models configured with Opteron 8384, 8380, 8378 and 8376 processors. Memory bus speeds for 4 or fewer, 6, or 8 will operate at 800-, 667-, and 533MHz, respectively.

DIMMs must be installed in matched pairs. DIMMs installed in different banks can be different capacities.

M in the first slot, memory must be in:	8GB stalled in mat	4 tched pairs.	2GB Three DIMN	432806-B21 Is are not supported.	DRH320G5/2GB	1 <sup>1</sup>
	8GB	4	2GB	450260-B21	DRH800U/2GB	1 <sup>1</sup>
	8GB	4	2GB	432806-B21	DRH320G5/2GB	1 <sup>1</sup>
ns requiring 2 DIMM and 4 DIMM con	figurations, t	he memory	must be pai	red for optimal perform	ance.	
	8GB	4	2GB	450260-B21	DRH800U/2GB	<b>1</b> <sup>1</sup>
ed pairs to take advantage of dual-cha	annel mode a	and best per	formance.			
X2.8, X3.0, X3.2	8GB	4	2GB	358349-B21	DRH360G4/2GB	<b>1</b> <sup>1</sup>
/IM in the first slot, memory must be in	stalled in ma	atched pairs.	. Three DIM	Ms are not supported.		
	8GB	4	2GB	397411-B21	DRH667FB/2GB	2
			4GB	397413-B21	DRH667FB/4GB	2
IM in the first slot, memory must be in	stalled in ma	atched pairs.	. Three DIM	Ms are not supported.		
	16GB	6	2GB	408851-B21	DRH585G2/2GB	2
			-			2
GB) may be installed and it must be in	nstalled in the	e first bank (			DKH363G2/6GB	2
	000			400000 504		1
be installed in matched pairs, although					DRH320G5/2GB	1
	8GB	4	2GB	450260-B21	DRH800U/2GB	11
ed pairs to take advantage of dual-cha	annel mode a	and best per	formance.			
ed pairs to take advantage of dual-cha	annel mode a	and best per	2GB	343056-B21	DRH380G4/2GB	2
				343056-B21 375004-B21	DRH380G4/2GB DRH380G4D/4GB	
			2GB 4GB 4GB	375004-B21 343057-B21	DRH380G4D/4GB DRH380G4S/4GB	2
X3.0, X3.2, X3.4	16GB	6	2GB 4GB 4GB 8GB	375004-B21 343057-B21 348106-B21	DRH380G4D/4GB DRH380G4S/4GB DRH380G4D/8GB	2
	16GB Ms are not si	6 upportedD	2GB 4GB 4GB 8GB IMMs must	375004-B21 343057-B21 348106-B21 be installed in matched	DRH380G4D/4GB DRH380G4S/4GB DRH380G4D/8GB I pairs. If using both	2 2
X3.0, X3.2, X3.4 M in the 1st slot, odd numbered DIMI DIMMs, the dual-rank DIMMs must be valent of eight ranks are supported. T	16GB Ms are not si installed in s The DRH3800	6 upportedD slots 1 and 2 G4/2GB and	2GB 4GB 4GB 8GB IMMs must 2. Dual-rank 4 DRH380G4	375004-B21 343057-B21 348106-B21 be installed in matched DIMMs are not suppor 4S/4GB are single-ranl	DRH380G4D/4GB DRH380G4S/4GB DRH380G4D/8GB I pairs. If using both ted in slots 5 and 6. k. The	2 2
X3.0, X3.2, X3.4 //M in the 1st slot, odd numbered DIMI DIMMs, the dual-rank DIMMs must be	16GB Ms are not si installed in s The DRH3800	6 upportedD slots 1 and 2 G4/2GB and	2GB 4GB 4GB 8GB IMMs must 2. Dual-rank 4 DRH380G4	375004-B21 343057-B21 348106-B21 be installed in matched DIMMs are not suppor 4S/4GB are single-ranl	DRH380G4D/4GB DRH380G4S/4GB DRH380G4D/8GB I pairs. If using both ted in slots 5 and 6. k. The	2
X3.0, X3.2, X3.4 M in the 1st slot, odd numbered DIMI DIMMs, the dual-rank DIMMs must be valent of eight ranks are supported. T	16GB Ms are not si installed in s The DRH3800	6 upportedD slots 1 and 2 G4/2GB and	2GB 4GB 4GB 8GB IMMs must 2. Dual-rank 4 DRH380G4	375004-B21 343057-B21 348106-B21 be installed in matched DIMMs are not suppor 4S/4GB are single-ranl	DRH380G4D/4GB DRH380G4S/4GB DRH380G4D/8GB I pairs. If using both ted in slots 5 and 6. k. The	2
X3.0, X3.2, X3.4 M in the 1st slot, odd numbered DIMI DIMMs, the dual-rank DIMMs must be valent of eight ranks are supported. T	16GB Ms are not so installed in s The DRH3800 e Online Spa	6 upportedD slots 1 and 2 G4/2GB and ire option is	2GB 4GB 8GB IMMs must Dual-rank DRH380G not supporte	375004-B21 343057-B21 348106-B21 be installed in matched DIMMs are not suppor 4S/4GB are single-ranl ed with the use of dual	DRH380G4D/4GB DRH380G4S/4GB DRH380G4D/8GB I pairs. If using both ted in slots 5 and 6. k. The -rank DIMMs.	22
X3.0, X3.2, X3.4 M in the 1st slot, odd numbered DIMI DIMMs, the dual-rank DIMMs must be valent of eight ranks are supported. T	16GB Ms are not so installed in s The DRH3800 e Online Spa	6 upportedD slots 1 and 2 G4/2GB and ire option is	2GB 4GB 8GB IMMs must 2. Dual-rank d DRH380G- not support 2GB 4GB 4GB	375004-B21 343057-B21 348106-B21 be installed in matched DIMMs are not suppor 4S/4GB are single-ranl ed with the use of dual 397411-B21 397413-B21 461828-B21	DRH380G4D/4GB DRH380G4S/4GB DRH380G4D/8GB d pairs. If using both ted in slots 5 and 6. k. The -rank DIMMs. DRH667FB/2GB DRH667FB/4GB DRH667FBL/4GB	
X3.0, X3.2, X3.4 M in the 1st slot, odd numbered DIMI DIMMs, the dual-rank DIMMs must be valent of eight ranks are supported. T	16GB Ms are not so installed in s The DRH3800 e Online Spa	6 upportedD slots 1 and 2 G4/2GB and ire option is	2GB 4GB 4GB 8GB IMMs must I 2. Dual-rank d DRH380G not supporte 2GB 4GB 4GB 8GB	375004-B21 343057-B21 348106-B21 be installed in matched DIMMs are not suppor 4S/4GB are single-ranl ed with the use of dual 397411-B21 397413-B21 461828-B21 397415-B21	DRH380G4D/4GB DRH380G4S/4GB DRH380G4D/8GB d pairs. If using both ted in slots 5 and 6. k. The -rank DIMMs. DRH667FB/2GB DRH667FB/4GB DRH667FBL/4GB DRH667FB/8GB	
X3.0, X3.2, X3.4 //M in the 1st slot, odd numbered DIMI DIMMs, the dual-rank DIMMs must be valent of eight ranks are supported. T d DRH380G4D/8GB are dual-rank. The	16GB Ms are not so installed in s The DRH3800 e Online Spa 32GB <sup>1)</sup>	6 upportedD slots 1 and 2 G4/2GB and the option is 8	2GB 4GB 8GB IMMs must 2. Dual-rank d DRH380G- not supporte 4GB 4GB 8GB 8GB	375004-B21 343057-B21 348106-B21 be installed in matched DIMMs are not suppor 4S/4GB are single-ranl ed with the use of dual 397411-B21 397413-B21 461828-B21	DRH380G4D/4GB DRH380G4S/4GB DRH380G4D/8GB d pairs. If using both ted in slots 5 and 6. k. The -rank DIMMs. DRH667FB/2GB DRH667FB/4GB DRH667FBL/4GB	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
X3.0, X3.2, X3.4 MM in the 1st slot, odd numbered DIMI DIMMs, the dual-rank DIMMs must be valent of eight ranks are supported. T d DRH380G4D/8GB are dual-rank. The nemory is 16GB for Dual-Core and 320	16GB Ms are not si installed in s 'he DRH3800 e Online Spa 32GB <sup>1)</sup> GB on Quad-	6 upportedD slots 1 and 2 G4/2GB and re option is 8	2GB 4GB 4GB 8GB IMMs must I 2. Dual-rank d DRH380G not supporte 2GB 4GB 4GB 4GB 8GB 8GB 8GB	375004-B21 343057-B21 348106-B21 be installed in matched DIMMs are not suppor 4S/4GB are single-ranl ed with the use of dual 397411-B21 397413-B21 461828-B21 397415-B21 466440-B21	DRH380G4D/4GB DRH380G4S/4GB DRH380G4D/8GB d pairs. If using both ted in slots 5 and 6. k. The -rank DIMMs. DRH667FB/2GB DRH667FB/4GB DRH667FBL/4GB DRH667FB/8GB	
X3.0, X3.2, X3.4 //M in the 1st slot, odd numbered DIMI DIMMs, the dual-rank DIMMs must be valent of eight ranks are supported. T d DRH380G4D/8GB are dual-rank. The	16GB Ms are not so installed in s The DRH3800 e Online Spa 32GB <sup>1)</sup> GB on Quad- istalled in ma	6 upportedD slots 1 and 2 G4/2GB and re option is 8 -Core model atched pairs.	2GB 4GB 8GB IMMs must I 2 Dual-rank 1 DRH380G not supporte 2GB 4GB 4GB 8GB 8GB 8GB 8GB	375004-B21 343057-B21 348106-B21 be installed in matched DIMMs are not suppor 4S/4GB are single-ranl ed with the use of dual 397411-B21 397413-B21 461828-B21 397415-B21 466440-B21 Ms are not supported.	DRH380G4D/4GB DRH380G4S/4GB DRH380G4D/8GB d pairs. If using both ted in slots 5 and 6. k. The -rank DIMMs. DRH667FB/2GB DRH667FB/4GB DRH667FBL/4GB DRH667FB/8GB	2222
X3.0, X3.2, X3.4 MM in the 1st slot, odd numbered DIMI DIMMs, the dual-rank DIMMs must be valent of eight ranks are supported. T d DRH380G4D/8GB are dual-rank. The nemory is 16GB for Dual-Core and 320 MM in the first slot. memory must be in	16GB Ms are not so installed in s The DRH3800 e Online Spa 32GB <sup>1)</sup> GB on Quad- istalled in ma	6 upportedD slots 1 and 2 G4/2GB and re option is 8 -Core model atched pairs.	2GB 4GB 8GB IMMs must I 2 Dual-rank 1 DRH380G not supporte 2GB 4GB 4GB 8GB 8GB 8GB 8GB	375004-B21 343057-B21 348106-B21 be installed in matched DIMMs are not suppor 4S/4GB are single-ranl ed with the use of dual 397411-B21 397413-B21 461828-B21 397415-B21 466440-B21 Ms are not supported.	DRH380G4D/4GB DRH380G4S/4GB DRH380G4D/8GB d pairs. If using both ted in slots 5 and 6. k. The -rank DIMMs. DRH667FB/2GB DRH667FB/4GB DRH667FBL/4GB DRH667FB/8GB	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	ed pairs to take advantage of dual-cha ins requiring 2 DIMM and 4 DIMM con ed pairs to take advantage of dual-cha X2.8, X3.0, X3.2 IM in the first slot, memory must be in IM in the first slot, memory must be in GB) may be installed and it must be in	8GB ed pairs to take advantage of dual-channel mode a 8GB ins requiring 2 DIMM and 4 DIMM configurations, t 8GB ed pairs to take advantage of dual-channel mode a X2.8, X3.0, X3.2 8GB IM in the first slot, memory must be installed in ma 8GB IM in the first slot, memory must be installed in ma 16GB BGB) may be installed and it must be installed in th 8GB	8GB       4         ed pairs to take advantage of dual-channel mode and best per         8GB       4         ed pairs to take advantage of dual-channel mode and best per         8GB       4         ed pairs to take advantage of dual-channel mode and best per         X2.8, X3.0, X3.2       8GB         M in the first slot, memory must be installed in matched pairs         8GB       4         M in the first slot, memory must be installed in matched pairs         16GB       6         8GB       4         add pairs be installed in the first bank         8GB       4	8GB       4       2GB         ed pairs to take advantage of dual-channel mode and best performance.       8GB       4       2GB         Ins requiring 2 DIMM and 4 DIMM configurations, the memory must be pairs to take advantage of dual-channel mode and best performance.       8GB       4       2GB         ed pairs to take advantage of dual-channel mode and best performance.       X2.8, X3.0, X3.2       8GB       4       2GB         IM in the first slot, memory must be installed in matched pairs. Three DIM       8GB       4       2GB         IM in the first slot, memory must be installed in matched pairs. Three DIM       8GB       4       2GB         IM in the first slot, memory must be installed in matched pairs. Three DIM       16GB       6       2GB         IM in the first slot, memory must be installed in matched pairs. Three DIM       16GB       4       2GB         IM in the first slot, memory must be installed in matched pairs. Three DIM       16GB       4       2GB         IGB) may be installed and it must be installed in the first bank (slots 1 and       8GB       4       2GB         IGB installed in matched pairs, although matched pairs will provide the best       8GB       4       2GB	ad pairs to take advantage of dual-channel mode and best performance.       8GB       4       2GB       432806-B21         ins requiring 2 DIMM and 4 DIMM configurations, the memory must be paired for optimal perform       8GB       4       2GB       450260-B21         ed pairs to take advantage of dual-channel mode and best performance.       8GB       4       2GB       358349-B21         AM in the first slot, memory must be installed in matched pairs. Three DIMMs are not supported.       8GB       4       2GB       397411-B21         AM in the first slot, memory must be installed in matched pairs. Three DIMMs are not supported.       8GB       4       2GB       397411-B21         AM in the first slot, memory must be installed in matched pairs. Three DIMMs are not supported.       16GB       6       2GB       408851-B21         AM in the first slot, memory must be installed in matched pairs. Three DIMMs are not supported.       16GB       6       2GB       408851-B21         AGB       4       2GB       408851-B21       4GB       461840-B21       8GB       408854-B21         BGB       may be installed and it must be installed in the first bank (slots 1 and 2).       8GB       4       2GB       432806-B21         be installed in matched pairs, although matched pairs will provide the best performance       2GB       432806-B21       40866-B21 <td>8GB       4       2GB       450260-B21       DRH800U/2GB         ed pairs to take advantage of dual-channel mode and best performance.       8GB       4       2GB       432806-B21       DRH320G5/2GB         ns requiring 2 DIMM and 4 DIMM configurations, the memory must be paired for optimal performance.       8GB       4       2GB       450260-B21       DRH800U/2GB         ed pairs to take advantage of dual-channel mode and best performance.       8GB       4       2GB       358349-B21       DRH800U/2GB         ed pairs to take advantage of dual-channel mode and best performance.       X2.8, X3.0, X3.2       8GB       4       2GB       358349-B21       DRH360G4/2GB         IM in the first slot, memory must be installed in matched pairs. Three DIMMs are not supported.       8GB       4       2GB       397411-B21       DRH667FB/2GB         IM in the first slot, memory must be installed in matched pairs. Three DIMMs are not supported.       16GB       6       2GB       408851-B21       DRH585G2/2GB         IM in the first slot, memory must be installed in the first bank (slots 1 and 2).       8GB       4       2GB       432806-B21       DRH585G2/2GB         IM in the first slot, memory must be installed in the first bank (slots 1 and 2).       8GB       4       2GB       432806-B21       DRH585G2/2GB         IM in the first slot, memory must be installed in</td>	8GB       4       2GB       450260-B21       DRH800U/2GB         ed pairs to take advantage of dual-channel mode and best performance.       8GB       4       2GB       432806-B21       DRH320G5/2GB         ns requiring 2 DIMM and 4 DIMM configurations, the memory must be paired for optimal performance.       8GB       4       2GB       450260-B21       DRH800U/2GB         ed pairs to take advantage of dual-channel mode and best performance.       8GB       4       2GB       358349-B21       DRH800U/2GB         ed pairs to take advantage of dual-channel mode and best performance.       X2.8, X3.0, X3.2       8GB       4       2GB       358349-B21       DRH360G4/2GB         IM in the first slot, memory must be installed in matched pairs. Three DIMMs are not supported.       8GB       4       2GB       397411-B21       DRH667FB/2GB         IM in the first slot, memory must be installed in matched pairs. Three DIMMs are not supported.       16GB       6       2GB       408851-B21       DRH585G2/2GB         IM in the first slot, memory must be installed in the first bank (slots 1 and 2).       8GB       4       2GB       432806-B21       DRH585G2/2GB         IM in the first slot, memory must be installed in the first bank (slots 1 and 2).       8GB       4       2GB       432806-B21       DRH585G2/2GB         IM in the first slot, memory must be installed in

OR CALL 1.800.DATARAM.COM, +33155602365 (EMEA), 609.799.0071

		MAX	SLOTS CA	PACITY	MFG #	DATARAM #	BOARD
ProLiant ML370 G4		16GB	8	2GB 4GB	343056-B21 343057-B21	DRH380G4/2GB DRH380G4S/4GB	2 2
ProLiant ML370 G5		128GB	16 <sup>1)</sup>	2GB	397411-B21	DRH667FB/2GB	2
				4GB	397413-B21	DRH667FB/4GB	2
				4GB	461828-B21	DRH667FBL/4GB	2
				8GB	397415-B21	DRH667FB/8GB	2
				8GB	466440-B21	DRH667FBL/8GB	2
				16GB	413015-B21	DRH667FB/16GB	2
DIMMs must be ins	norv Card; up to 2 HP Memorv C stalled in matched pairs. 56440-B21 and Dataram's DRH6		7FBL/8GB a	re Low Pov	ver DIMMs.		
ProLiant ML570 G3		64GB	24 <sup>1)</sup>	2GB	343056-B21	DRH380G4/2GB	2
		0400	24	-	375004-B21	DRH380G4D/4GB	2
				-	343057-B21	DRH380G4S/4GB	2
					348106-B21	DRH380G4D/8GB	2
<sup>1)</sup> Momony is installed	on 1 to 4 riser cards. Each riser	oord boo 6 DIMM ala	to orropad		040100 B21	D111000042/002	2
	and dual rank DIMMs, the dual r				k		
Dual rank DIMMs a	are not supported in slots 5 and 6 GB and DRH380G4S/4GB are sir	. No more than the	equivalent of	eight ranks	s are supported.	ink.	
ProLiant ML570 G4		64GB	24 <sup>1)</sup>	2GB	343056-B21	DRH380G4/2GB	2
				4GB	375004-B21	DRH380G4D/4GB	2
				4GB	343057-B21	DRH380G4S/4GB	2
				8GB	348106-B21	DRH380G4D/8GB	2
1) Moment is installed	on 1 to 4 riser cards. Each riser	aard baa 6 DIMM ala	to orrow and				
Dual rank DIMMs a	and dual rank DIMMs, the dual r are not supported in slots 5 and 6 GB and DRH380G4S/4GB are sir	. No more than the	equivalent of	eight ranks	s are supported.	ınk.	
HP-UX WORKS	TATIONS						
C-Class	C8000	32GB	8	2GB	A8088B	DRHC8000/2GB	2
0 01055	00000	0200	0	4GB	A8089B	DRHC8000/4GB	2
					AB662A	DRHC8000/8GB	2
	STATIONS						
		268	4	168	3X-MS310 EA		2
AlphaStation	DS10 / XP900	2GB	4	1GB	3X-MS310-EA	DRQDS10E/1024	
AlphaStation		2GB 4GB	4	1GB 1GB 2GB	3X-MS315-FA	DRQDS10E/1024 DRHDS15/1024 DRHDS15/2GB	2
AlphaStation AlphaStation	DS10 / XP900 DS15	4GB	4	1GB 2GB	3X-MS315-FA 3X-MS315-GA	DRHDS15/1024 DRHDS15/2GB	2
AlphaStation AlphaStation	DS10 / XP900			1GB 2GB 2GB	3X-MS315-FA	DRHDS15/1024	2 2 4
AlphaStation AlphaStation AlphaStation Note: With 1 memory	DS10 / XP900 DS15	4GB 16GB nory interleaving will	4 16 not occur.	1GB 2GB 2GB 4GB	3X-MS315-FA 3X-MS315-GA 3X-MS350-EA 3X-MS350-FA	DRHDS15/1024 DRHDS15/2GB DRHDS25/2048 DRHDS25/4GB	2 2 4
AlphaStation AlphaStation AlphaStation Note: With 1 memory With 2 identica	DS10 / XP900 DS15 DS25 v option (4 DIMMs) installed, men al options (8 DIMMs), 2-way inter	4GB 16GB nory interleaving will	4 16 not occur.	1GB 2GB 2GB 4GB	3X-MS315-FA 3X-MS315-GA 3X-MS350-EA 3X-MS350-FA	DRHDS15/1024 DRHDS15/2GB DRHDS25/2048 DRHDS25/4GB	2 2 4
AlphaStation AlphaStation AlphaStation Note: With 1 memory With 2 identica PERSONAL WC	DS10 / XP900 DS15 DS25 v option (4 DIMMs) installed, men al options (8 DIMMs), 2-way inter	4GB 16GB nory interleaving will	4 16 not occur.	1GB 2GB 2GB 4GB	3X-MS315-FA 3X-MS315-GA 3X-MS350-EA 3X-MS350-FA	DRHDS15/1024 DRHDS15/2GB DRHDS25/2048 DRHDS25/4GB	2 2 4 4
AlphaStation AlphaStation AlphaStation Note: With 1 memory With 2 identica <b>PERSONAL WC</b>	DS10 / XP900 DS15 DS25 v option (4 DIMMs) installed, men al options (8 DIMMs), 2-way inter	4GB 16GB nory interleaving will leaving occurs. With	4 16 not occur. 4 identical o	1GB 2GB 2GB 4GB	3X-MS315-FA 3X-MS315-GA 3X-MS350-EA 3X-MS350-FA DIMMs), 4-way interleav	DRHDS15/1024 DRHDS15/2GB DRHDS25/2048 DRHDS25/4GB	2 2 4 4 1
AlphaStation AlphaStation AlphaStation Note: With 1 memory With 2 identica <b>PERSONAL WC</b> xw4300 <sup>1)</sup> For best performanc should be the same	DS10 / XP900 DS15 DS25 v option (4 DIMMs) installed, men al options (8 DIMMs), 2-way inter DRKSTATIONS ce add DIMMs in matched pairs, b. Mixing ECC and Non-ECC mer	4GB 16GB nory interleaving will leaving occurs. With 8GB and the total amoun nory is not supported	4 16 not occur. 4 identical of 4 t and type of	1GB 2GB 2GB 4GB options (16 1GB 2GB	3X-MS315-FA 3X-MS315-GA 3X-MS350-EA 3X-MS350-FA DIMMs), 4-way interleav PV941A PV942A	DRHDS15/1024 DRHDS15/2GB DRHDS25/2048 DRHDS25/4GB ving occurs. DRHXW4306E/1GB DRHXW4306E/1GB	2 2 4 4 4 1 1
AlphaStation AlphaStation AlphaStation Note: With 1 memory With 2 identica <b>PERSONAL WC</b> xw4300 <sup>1)</sup> For best performanc should be the same	DS10 / XP900 DS15 DS25 / option (4 DIMMs) installed, men al options (8 DIMMs), 2-way inter DRKSTATIONS	4GB 16GB nory interleaving will leaving occurs. With 8GB and the total amoun nory is not supported	4 16 not occur. 4 identical of 4 t and type of	1GB 2GB 2GB 4GB options (16 1GB 2GB	3X-MS315-FA 3X-MS315-GA 3X-MS350-EA 3X-MS350-FA DIMMs), 4-way interleav PV941A PV942A	DRHDS15/1024 DRHDS15/2GB DRHDS25/2048 DRHDS25/4GB ving occurs. DRHXW4306E/1GB DRHXW4306E/1GB	2 2 2 4 4 4 4 4 1 <sup>1</sup> 1 <sup>1</sup> 2
With 2 identica <b>PERSONAL WC</b> xw4300 <sup>1)</sup> For best performance should be the same	DS10 / XP900 DS15 DS25 v option (4 DIMMs) installed, men al options (8 DIMMs), 2-way inter DRKSTATIONS ce add DIMMs in matched pairs, b. Mixing ECC and Non-ECC mer	4GB 16GB nory interleaving will leaving occurs. With 8GB and the total amoun nory is not supported	4 16 not occur. 4 identical of 4 t and type of	1GB 2GB 2GB 4GB options (16 1GB 2GB memory in: 1GB	3X-MS315-FA 3X-MS315-GA 3X-MS350-EA 3X-MS350-FA DIMMs), 4-way interleav PV941A PV942A stalled in Channel A (slo	DRHDS15/1024 DRHDS15/2GB DRHDS25/2048 DRHDS25/4GB ving occurs. DRHXW4306E/1GB DRHXW4306E/2GB tts 1 & 3) and Channel B (slots 2 DRHXW4306E/1GB	2 2 4 4 4 4 1 <sup>1</sup> 1 <sup>1</sup> 2 <sup>1</sup>
AlphaStation AlphaStation AlphaStation Note: With 1 memory With 2 identica <b>PERSONAL WC</b> xw4300 <sup>1)</sup> For best performand should be the same HP's PV94xA and Dat xw4400 <sup>1)</sup> For best performand	DS10 / XP900 DS15 DS25 v option (4 DIMMs) installed, men al options (8 DIMMs), 2-way inter DRKSTATIONS ce add DIMMs in matched pairs, b. Mixing ECC and Non-ECC mer	4GB 16GB nory interleaving will leaving occurs. With 8GB and the total amoun nory is not supported DDR2-667. 8GB and the total amoun	4 16 1 not occur. 1 d identical of 4 t and type of d. 4 t and type of d.	1GB 2GB 2GB 4GB options (16 1GB 2GB memory ins 1GB 2GB	3X-MS315-FA 3X-MS315-GA 3X-MS350-EA 3X-MS350-FA DIMMs), 4-way interleav PV941A PV942A stalled in Channel A (slo PV941A PV942A	DRHDS15/1024 DRHDS15/2GB DRHDS25/2048 DRHDS25/4GB ving occurs. DRHXW4306E/1GB DRHXW4306E/2GB its 1 & 3) and Channel B (slots 2 DRHXW4306E/1GB DRHXW4306E/1GB DRHXW4306E/2GB	2 2 4 4 1 <sup>1</sup> 1 <sup>1</sup> 8 <sup>4</sup> 1
AlphaStation AlphaStation AlphaStation Note: With 1 memory With 2 identica <b>PERSONAL WC</b> xw4300 <sup>1)</sup> For best performand should be the same HP's PV94xA and Data xw4400	DS10 / XP900 DS15 DS25 / option (4 DIMMs) installed, men al options (8 DIMMs), 2-way inter <b>DRKSTATIONS</b> ce add DIMMs in matched pairs, b. Mixing ECC and Non-ECC men taram's DRHXW4306E are ECC	4GB 16GB nory interleaving will leaving occurs. With 8GB and the total amoun nory is not supporter DDR2-667. 8GB and the total amoun nory is not supporter	4 16 1 not occur. 1 d identical of 4 t and type of d. 4 t and type of d.	1GB 2GB 2GB 4GB options (16 1GB 2GB memory ins 1GB 2GB	3X-MS315-FA 3X-MS315-GA 3X-MS350-EA 3X-MS350-FA DIMMs), 4-way interleav PV941A PV942A stalled in Channel A (slo PV941A PV942A	DRHDS15/1024 DRHDS15/2GB DRHDS25/2048 DRHDS25/4GB ving occurs. DRHXW4306E/1GB DRHXW4306E/2GB its 1 & 3) and Channel B (slots 2 DRHXW4306E/1GB DRHXW4306E/1GB DRHXW4306E/2GB	2 2 4 4 1 <sup>1</sup> 1 <sup>1</sup> 8 <sup>4</sup> 1
AlphaStation AlphaStation AlphaStation Note: With 1 memory With 2 identica <b>PERSONAL WC</b> xw4300 <sup>1)</sup> For best performand should be the same HP's PV94xA and Data xw4400	DS10 / XP900 DS15 DS25 v option (4 DIMMs) installed, men al options (8 DIMMs), 2-way inter DRKSTATIONS ce add DIMMs in matched pairs, b. Mixing ECC and Non-ECC mer taram's DRHXW4306E are ECC	4GB 16GB nory interleaving will leaving occurs. With 8GB and the total amoun nory is not supporter DDR2-667. 8GB and the total amoun nory is not supporter	4 16 1 not occur. 1 d identical of 4 t and type of d. 4 t and type of d.	1GB 2GB 4GB options (16 1GB 2GB memory in: 1GB 2GB memory in:	3X-MS315-FA 3X-MS315-GA 3X-MS350-EA 3X-MS350-FA DIMMs), 4-way interleav PV941A PV942A stalled in Channel A (slo PV941A PV942A	DRHDS15/1024 DRHDS15/2GB DRHDS25/2048 DRHDS25/4GB ving occurs. DRHXW4306E/1GB DRHXW4306E/2GB its 1 & 3) and Channel B (slots 2 DRHXW4306E/1GB DRHXW4306E/1GB DRHXW4306E/2GB	2 2 4 4 1 <sup>1</sup> 1 <sup>1</sup> 8 <sup>4</sup> 1
AlphaStation AlphaStation AlphaStation Note: With 1 memory With 2 identica <b>PERSONAL WC</b> xw4300 <sup>1)</sup> For best performand should be the same HP's PV94xA and Da xw4400 <sup>1)</sup> For best performand should be the same HP's PV94xA and Da xw4550 <sup>1)</sup> For best performand	DS10 / XP900 DS15 DS25 v option (4 DIMMs) installed, men al options (8 DIMMs), 2-way inter DRKSTATIONS ce add DIMMs in matched pairs, b. Mixing ECC and Non-ECC mer taram's DRHXW4306E are ECC	4GB 16GB nory interleaving will leaving occurs. With 8GB and the total amoun nory is not supported DDR2-667. 8GB and the total amoun nory is not supported DDR2-667. 4GB nemory loaded into C	4 16 1 not occur. 1 identical of 4 t and type of d. 4 t and type of d. 4	1GB 2GB 2GB 0ptions (16 1GB 2GB memory in: 1GB 2GB memory in:	3X-MS315-FA 3X-MS315-GA 3X-MS350-EA 3X-MS350-FA DIMMs), 4-way interleav PV941A PV942A stalled in Channel A (slo PV941A PV942A stalled in Channel A (slo	DRHDS15/1024 DRHDS15/2GB DRHDS25/2048 DRHDS25/4GB ving occurs. DRHXW4306E/1GB DRHXW4306E/1GB DRHXW4306E/1GB DRHXW4306E/1GB dRHXW4306E/1GB DRHXW4306E/1GB	2 2 4 4 1 <sup>1</sup> 1 <sup>1</sup> 1 <sup>1</sup> 1 <sup>1</sup> 1 <sup>1</sup> 8 4)

FAMILY	MODEL	MAX	SLOTS CA	PACITY	MFG #	DATARAM #	BOARD
xw4600		8GB	4	1GB 2GB	PV941A PV942A	DRHXW4306E/1GB DRHXW4306E/2GB	1 <sup>1</sup> 1 <sup>1</sup>
				2GB	GH740AA	DRHXW4600/2GB	<b>1</b> <sup>1</sup>
	ance the total amount and type of me Non-ECC memory is not supported. I					ould be loaded in pairs.	
HP's PV94xA and	Dataram's DRHXW4306E are ECC D	DR2-667. HP's Gł	H7xxAA and	Dataram's	DRHXW4600 are ECC DDR2	2-800.	
xw6000		8GB	4	2GB 4GB	313305-B21, (2x)AA657A (2x)AA834A	DRHXW6000/2048 DRHXW6000/4096	2 2
xw6400		16GB	4	2GB 4GB	EM161AA EM162AA	DRHXW8400/2GB DRHXW8400/4GB	1 1
Except for a single	DIMM in the 1st slot, DIMMs must be	installed in match	ed pairs. Th	ree DIMMs	are not supported.		
xw6600		32GB	8	2GB 4GB	EM161AA EM162AA	DRHXW8400/2GB DRHXW8400/4GB	1 <sup>1</sup> 1 <sup>1</sup>
<sup>1)</sup> DIMMs must be ir	nstalled in matched pairs.						
xw8000		12GB	6	2GB 4GB	313305-B21, (2x)AA657A (2x)AA834A	DRHXW6000/2048 DRHXW6000/4096	2 2
xw8200		16GB	8	1GB 2GB	DY655A PH201A	DRHXW8200/1GB DRHXW8200/2GB	1 1
xw8400		32GB	8	2GB 4GB	EM161AA EM162AA	DRHXW8400/2GB DRHXW8400/4GB	1 1
Except for a single	DIMM in the 1st slot, DIMMs must be	installed in match	ed pairs. Th	ree DIMMs	are not supported.		
xw8600	without riser cards	32GB	8	2GB 4GB	EM161AA EM162AA	DRHXW8400/2GB DRHXW8400/4GB	1 1
				2GB	KY113AA	DRHXW800FB/2GB	1
	with riser cards	128GB	16	2GB	EM161AA	DRHXW8400/2GB	1
				4GB 8GB		DRHXW8400/4GB DRHXW8600/8GB	1
				2GB	-	DRHXW800FB/2GB	1
				4GB	FS376AA	DRHXW800FB/4GB	1
	V800FB/xGB and corresponding HP o					ssors.	
DIMMS must be or	dered and installed in matched pairs o	on the system boar	ra and in qua	ads on the r	iser cards.		
xw9300		32GB <sup>1)</sup>	8	2GB <sup>3)</sup> 8GB <sup>3)</sup>	PP656A EK739AA	DRHXW9300/2GB DRHXW9300/8GB	1² 2

<sup>2)</sup> DIMMs must be ordered and installed in matched pairs.

 $^{\scriptscriptstyle 3)}$  A memory cooling duct (HP# EA789AA) is required with the use of 2GB or 4GB DIMMs.

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## DATARAM

## Product Announcement

#### DRHXW800FB/2GB, DRHXW800FB/4GB Speedier DDR2-800 Memory Upgrades to Improve the Performance of your HP xw8600 Workstation



**January 13, 2009**—Dataram today announced the immediate availability of new high-performance, PC2-6400 2GB and 4GB FB-DIMMs for Hewlett-Packard's HP xw8600 Workstation.

Dataram's DRHXW800FB/2GB and DRHXW800FB/4GB each contain a single DDR2-800 FB-DIMM, equivalent to HP's KY113AA and FS376AA respectively.

#### HP xw8600 Memory Configurations

The xw8600 workstation may be purchased with minimal memory from HP. With these models, memory is supported via 8 FB-DIMM slots on the system board, and can now use the faster DDR2-800 speed 512MB, 1GB and 2GB capacity FB-DIMMs. 4GB DDR2-800 and 8GB (any speed) FB-DIMMs are not supported on the system board.

HP xw8600 workstation models purchased with a larger amount of memory (i.e. 16GB consisting of 8 x 2GB FB-DIMMs, or more) and dual-processors, will contain a more powerful power supply (1050W) and four riser cards each containing 4 FB-DIMM slots. These riser cards support all FB-DIMM capacities and speeds. All FB-DIMMs must be installed in matched pairs. Do not mix DDR2-800 and DDR2-667 speeds within the system.

DDR2-800 memory options are supported only with 1600MHz Front Side Bus (FSB) processors. For slower models Dataram offers a compatible line of DDR2-667 FB-DIMM memory upgrades.

#### Dataram Memory Options for the HP xw8600 Workstation

	Dataram PN	<u>HP PN</u>	Description
NEW!!	DRHXW800FB/2GB	KY113AA	2GB (1x2GB DDR2-800 FB-DIMMs)
NEW!!	DRHXW800FB/4GB	FS376AA	4GB (1x4GB DDR2-800 FB-DIMMs)
	DRHXW8400/2GB	EM161AA	2GB (1x2GB DDR2-667 FB-DIMMs)
	DRHXW8400/4GB	EM162AA	4GB (1x4GB DDR2-667 FB-DIMMs)
	DRHXW8600/8GB	GM112AA	8GB (1x8GB DDR2-667 FB-DIMMs)



800.DATARAM usasales@dataram.com

Founded in 1967, Dataram is a worldwide leader in the design and manufacture of reliable, high capacity and innovative memory solutions. Dataram provides customized memory solutions for OEMs and memory upgrades for leading brands including HP, IBM, Sun Microsystems, Dell, Intel and AMD Opteron. For more information about Dataram's memory offerings, visit www.dataram.com

USA – Corporate Headquarters DATARAM Corporation 186 Princeton-Hightstown Road West Windsor, NJ 08550

Tel: 1.800.DATARAM 800.328.2726 609.799.0071 Fax: 609.799.6734 Mail: P.O. Box 7528 Princeton, NJ 08543-7528 Email: usasales@dataram.com usasupport@dataram.com

Europe

**Denmark, Aarhus** Tel +45 70 212 212

France, Boulogne-Billancourt Tel +33 1 55 60 23 65

**Germany, Munich** Tel + 49 89 309096-0

**Sweden, Stockholm** Tel +46 (0) 8 594 727 70

United Kingdom, Harrow Tel +44 20 8861 8336

Email: eusales@dataram.com eusupport@dataram.com

#### ASIA

**Japan, Tokyo** Tel +81 3 3512 8666

Email: apsales@dataram.com support@dataram.com

#### **Customer Support**

Customer Support representatives are available for Asia, Europe and the USA to help with detailed technical information, installation questions and troubleshooting.

For the latest information, please consult Dataram's Memory Configurator and Product Support FAQ at http://www.dataram.com. Dataram memory products are covered by a lifetime warranty. Complete warranty information is also available on Dataram's website.

Prior to returning products to Dataram, please contact Customer Support via email or telephone to obtain an RMA (Return Material Authorization) tracking number

USA (and all other countries) Tel: +1 800-599-0071 +1 609-799-0071 Fax: +1 609-799-6734 Email: usasupport@dataram.com

Europe Tel: +45 70 212 217 Fax: +45 70 212 216 Email: eusupport@dataram.com

Asia Japan: +81 3 3512 8666 Email: support@dataram.com

#### **About Dataram**

Founded in 1967, Dataram is a worldwide leader in the design and manufacture of reliable, high capacity and innovative memory solutions. Dataram provides customized memory solutions for OEMs and memory upgrades for leading brands including HP, IBM, SGI, Sun Microsystems, Dell, Intel and AMD Opteron. For more information about Dataram's memory offerings, visit www.dataram.com

