Application Switches

Multi-Gigabit L4-7 Application Delivery Solutions

F5's Application Delivery Networking products feature ground-breaking, next generation platforms that provide unmatched power to dramatically improve Layer 4-7 traffic throughput, administrative ease of use, and provide more application aware traffic management.

Supports the Largest Sites and Heaviest Load

BIG-IP platforms feature extreme capacity for handling the heaviest traffic loads at both Layer 4 and Layer 7. F5 solutions outpace every other product on the market in terms of key performance metrics in Layer 4, Layer 7, SSL processing, and HTTP compression – all running concurrently. These powerful platforms provide superior scalability for making in-depth Layer 7 decisions with extensive server and application acceleration capabilities for a high performance and unified network device.

Ground-Breaking Performance

F5 delivers the industry's fastest unified application delivery networking solution with an architecture that merges a high performance switching fabric with individual hardware optimizers. This gives you real-world performance at network speeds, enabling the successful and secure delivery of your applications.

Up to a 50% Increase in Layer 7 Performance

BIG-IP, with its TMOS architecture, delivers a unique set of optimization techniques to boost application performance across all platforms. Isolating client-side from server-side flows independently optimizes communication for each connecting device, translating communications between systems for greater infrastructure scalability and outstanding application performance.

Integrated Hardware Compression Offloads Server

F5's 8800, 8400, 6800, and 6400 platforms offer an optional HTTP Compression ASIC that enables organizations to cost effectively offload compression processing to the network while increasing server capacity. By migrating compression onto the network, administrators can realize up to a 20% improvement in server capacity, application performance (scales up to 6 Gbps), and application response times for user.

Heightened Security and Protection of Sensitive Content

The 6800 and 6400 BIG-IP platforms deliver unmatched scalability for FIPS processing to meet regulatory requirements specified in the FIPS 140-2 Level 2 and HIPAA standards. F5 enhances SSL security using hardware to encrypt and decrypt both the keys and data, leading the market in SSL TPS and bulk encryption. All other platforms offer best-in-market SSL TPS and bulk encryption via an optional hardware optimize.

Future Proofs the Network

All Gigabit architecture with Gigabit Ethernet ports (copper or fiber) future proofs the network to accommodate both the increasing demands of applications and increasing server capacity.

Easy to Manage for Reduced Cost of Ownership

Multi-boot support, warm upgrades, lights-out management, remote boot, superior system instrumentation, hard drive, and USB support reduces downtime, lowers TCO, and provides superior reliability for platform longevity. Selected platforms also offer hot-swappable components and redundant power supply and fans.

BIG-IP is available on six different platforms:

8800 Series

Processor: Dual CPU, Dual Core (4 processors)

Base Memory: 4GB

ASIC: Packet Velocity ASIC 10

Gigabit Ethernet Ports: 12 (Copper or Fiber)

10 Gigabit Fiber Ports: 2 (XFP pluggable optics)

Included SSL TPS/Max TPS/Bulk Crypto:
100/48,000/6 Gbps

Traffic Throughput: 10 Gbps - L4; 8 Gbps - L7

Hardware Compression: 6 Gbps

Dimensions:
17"w x 25" (OAL)/23.5" behind mounting
ears x 3.5" (2U)

Weight: 43 lbs. (dual power)

Operating Temperature:
41° to 104° F (5° to 40° C) per Telcordia
GR-63-CORE 5.1.1 and 5.1.2

Relative Humidity:
10 to 90% @ 40° C, per Telcordia
GR-63-CORE 5.1.1 and 5.1.2

Safety Agency Approval:
UL 60950-1-2002
CSA-C22.2 No. 60950-1-03
CB TEST CERTIFICATION TO IEC 950, EN 60950

**Electromagnetic Emissions
Certifications/Susceptibility Standard:**
EN55022: 1998: + A1: 2000+A2: 2003
EN6100-3-2: 2000 and
EN6100-3-3: 195+A1: 2000
EN55024: 1998+A1: 2001+A2: 2003
Class A
FCC Part 15B Class A

Maximum Power Consumption: 460 W

Maximum Heat Output: 1962 BTUs

Input voltage:
90-240 VAC +/- 10%
30-72 VDC (optional)
90-132 9A
180-264 4A

8400 Series

Processor: Dual CPU

Base Memory: 2GB

ASIC: Packet Velocity ASIC 10

Gigabit Ethernet Ports: 12 (Copper or Fiber)

10 Gigabit Fiber Ports: 2 (XFP pluggable optics)

Included SSL TPS/Max TPS/Bulk Crypto:
100/22,000/2.5 Gbps

Traffic Throughput: 10 Gbps - L4

Available Hardware Options: Hardware
Compression 2 Gbps

Dimensions:
17"w x 25" (OAL)/23.5" behind mounting
ears x 3.5" (2U)

Weight: 40 lbs. (single power), 43 lbs.
(dual power)

Operating Temperature:
41° to 104° F (5° to 40° C) per Telcordia
GR-63-CORE 5.1.1 and 5.1.2

Relative Humidity:
10 to 90% @ 40° C, per Telcordia
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EN55024: 1998+A1: 2001+A2: 2003
Class A
FCC Part 15B Class A

Maximum Power Consumption: 460 W

Maximum Heat Output: 1962 BTUs

Input voltage:
90-240 VAC +/- 10%
30-72 VDC (optional)
90-132 9A
180-264 4A

6800 Series

Processor: Dual CPU

Base Memory: 2GB

ASIC: Packet Velocity ASIC 2

Gigabit Ethernet CU Ports: 16

Gigabit Fiber Ports (SFP-GBIC Mini):

4 (2 standard, 2 optional)

Included SSL TPS/Max TPS/Bulk Crypto:
100/20,000/2 Gbps

Traffic Throughput: 4 Gbps

Available Hardware Option: Hardware
Compression (2 Gbps)
FIPS Processing (8,000 TPS and 1 GB SSL
Throughput)

Dimensions:
17.5"w x 25"(OAL)/23.5" behind mounting
ears x 3.5" (2U)

Weight: 40 lbs. (single power), 43 lbs.
(dual power)

Operating Temperature:
41° to 104° F (5° to 40° C) per Telcordia
GR-63-CORE 5.1.1 and 5.1.2

Relative Humidity:
10 to 90% @ 40° C per Telcordia
GR-63-CORE 5.1.1 and 5.1.2

Safety Agency Approval:
UL 60950 (UL1950-3)
CSA-C22.2 No. 60950-00 (Bi-national standard
with UL 60950) CB TEST CERTIFICATION TO IEC
950, EN 60950

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EN6100-3-2: 2000 and
EN6100-3-3:195+A1: 2000
EN55024: 1998+A1: 2001+A2: 2003
EN55024 1998 Class A
FCC Part 15B Class A

Maximum Power Consumption: 400 W

Maximum Heat Output: 1365 BTUs

Input Voltage:
90-240 VAC +/- 10%
30-72 VDC (optional)
90-132 9A
180-264 4A

6400 Series

Processor: *Dual CPU*

Base Memory: *2 GB*

ASIC: *Packet Velocity ASIC 2*

Gigabit Ethernet CU Ports: *16*

Gigabit Fiber Ports (SFP-GBIC Mini):
4 (2 standard, 2 optional)

Included SSL TPS/Max TPS/Bulk Crypto:
100/15,000/2 Gbps

Traffic Throughput: *2 Gbps*

Available Hardware Option: *Hardware Compression (2 Gbps)*
FIPS Processing (8,000 TPS and 1 GB SSL Throughput)

Dimensions:
17.5"w x 25"(OAL)/23.5" behind mounting ears x 3.5" (2U)

Weight: *40 lbs. (single power), 43 lbs. (dual power)*

Operating Temperature:
41° to 104° F (5° to 40° C) per Telcordia GR-63-CORE 5.1.1 and 5.1.2

Relative Humidity:
10 to 90% @ 40° C per Telcordia GR-63-CORE 5.1.1 and 5.1.2

Safety Agency Approval:
UL 60950 (UL1950-3)
CSA-C22.2 No. 60950-00 (Bi-national standard with UL 60950) CB TEST CERTIFICATION TO IEC 950, EN 60950

Electromagnetic Emissions Certifications/Susceptibility Standard:
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EN6100-3-2: 2000 and
EN6100-3-3:195+A1: 2000
EN55024: 1998+A1: 2001+A2: 2003
EN55024 1998 Class A
FCC Part 15B Class A

Maximum Power Consumption: *400 W*

Maximum Heat Output: *1365 BTUs*

Input Voltage:
90-240 VAC +/- 10%
30-72 VDC (optional)
90-132 9A
180-264 4A

3400 Series

Processor: *Single CPU*

Base Memory: *1 GB*

ASIC: *Packet Velocity ASIC 2*

Gigabit Ethernet CU Ports: *8*

Gigabit Fiber Ports (SFP-GBIC Mini): *2 optional*

Included SSL TPS/Max TPS/Bulk Crypto:
100/5,000/1 Gbps

Traffic Throughput: *1 Gbps*

Dimensions:
17.5"w x 25"(OAL)/23.5" behind mounting ears x 1.75" (1U)

Weight: *22 lbs.*

Operating Temperature:
41° to 104° F (5° to 40° C) per Telcordia GR-63-CORE 5.1.1 and 5.1.2

Relative Humidity:
10 to 90% @ 40° C per Telcordia GR-63-CORE 5.1.1 and 5.1.2

Safety Agency Approval:
UL 60950 (UL1950-3)
CSA-C22.2 No. 60950-00 (Bi-national standard with UL 60950) CB TEST CERTIFICATION TO IEC 950, EN 60950

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EN6100-3-2: 2000 and
EN6100-3-3:195+A1: 2000
EN55024: 1998+A1: 2001+A2: 2003
EN55024 1998 Class A
FCC Part 15B Class A

Maximum Power Consumption: *300 W*

Maximum Heat Output: *1025 BTUs*

Input Voltage:
90-240 VAC +/- 10%
30-72 VDC (optional)
90-132 6A
180-264 3A

1500 Series

Processor: *Single CPU*

Base Memory: *768 MB*

ASIC: *None*

Gigabit Ethernet CU Ports: *4*

Gigabit Fiber Ports (SFP-GBIC Mini): *2 optional*

Included SSL TPS/Max TPS/Bulk Crypto:
100/2,000/500 Mbps

Traffic Throughput: *500 Mbps*

Dimensions:
17.5"w x 21.5"(OAL)/20.0" behind mounting ears x 1.75" (1U)

Weight: *19 lbs.*

Operating Temperature:
41° to 104° F (5° to 40° C) per Telcordia GR-63-CORE 5.1.1 and 5.1.2

Relative Humidity:
10 to 90% @ 40° C per Telcordia GR-63-CORE 5.1.1 and 5.1.2

Safety Agency Approval:
UL 60950 (UL1950-3)
CSA-C22.2 No. 60950-00 (Bi-national standard with UL 60950) CB TEST CERTIFICATION TO IEC 950, EN 60950

Electromagnetic Emissions Certifications/Susceptibility Standard:
EN55022: 1998: +A1: 2000+A2: 2003
EN6100-3-2: 2000 and
EN6100-3-3:195+A1: 2000
EN55024: 1998+A1: 2001+A2: 2003
EN55024 1998 Class A
FCC Part 15B Class A

Maximum Power Consumption: *300 W*

Maximum Heat Output: *1025 BTUs*

Input Voltage:
90-240 VAC +/- 10%
30-72 VDC (optional)
90-132 6A
180-264 3A

F5 Networks, Inc.
Corporate Headquarters

401 Elliott Avenue West
Seattle, WA 98119
(206) 272-5555 Voice
(888) 88BIGIP Toll-free
(206) 272-5556 Fax
www.f5.com
info@f5.com

F5 Networks
Asia-Pacific

+65-6533-6103 Voice
+65-6533-6106 Fax
info.asia@f5.com

F5 Networks Ltd.
Europe/Middle-East/Africa

+44 (0) 1932 582 000 Voice
+44 (0) 1932 582 001 Fax
emeainfo@f5.com

F5 Networks
Japan K.K.

+81-3-5447-3350 Voice
+81-3-5447-3351 Fax
info@f5networks.co.jp

Part No. HW-BIG-IP-ALL 1206