Fiber Driver™ Chassis

Overview

The Fiber Driver™ product line includes various chassis sizes, which can hold from one to sixteen Fiber Driver modules. Each chassis is available with an AC or DC power supply. For passive splitter/combiner applications, there is a one-slot version available with no power supply.

The three-, four-, sixteen-, and sixteen-slot/Telco chassis can be equipped with redundant, hot-swappable power supplies. The power supplies can be any combination of AC or DC. These models also support management cascading, in which two chassis can be managed by a single EM316NM management module (up to five chassis can be managed by using the EM316NMS-Hub).

All chassis, except the one-slot models, can accommodate a management module in one slot; it provides monitoring of temperature, fan status, and power supply status.

All of the sixteen-slot chassis models can accommodate the pre-configured and modular WDM components, including any of the WDM44 and WDM84 Wave Division Multiplexer modules, which occupy five slots.

Features

○ Available with 1, 2, 3, 4, or 16 slots

○ 3-, 4-, and 16-slot models are rack mountable

○ Module flexibility; no slot dependency within a chassis

○ Modules and power supplies are hot swappable

○ Most chassis have an agent that checks fan status, power supply status, and checks whether chassis temperature is within settable high/low values; traps are set for any fault [1]

○ Redundant power supplies [2]

○ Can utilize mixed power environment (AC and DC supplies) [3]

[1] 2-, 3-, 4-, and 16-slot chassis models
[2] 3-, 4-, and 16-slot models
[3] Most 3-, 4-, and 16-slot models

ONE-SLOT CHASSIS

THREE-SLOT CHASSIS

SIXTEEN-SLOT CHASSIS

TWO-SLOT CHASSIS

FOUR-SLOT CHASSIS

SIXTEEN-SLOT TELCO 23" CHASSIS

The one-slot chassis models are designed for standalone unmanaged modules. If a single-fiber module is to be used in a one-slot chassis, use the NC316BU-1HP. It allows better heat dissipation.

The two-slot chassis models are designed for remote managed applications, single-module managed applications, or unmanaged two-module applications.

The three-slot chassis models are 19" rack mountable and designed for Telco applications. The AC or DC power supply is front-mounted. It is a reduced-depth chassis, suitable for smaller cabinets. Brackets are available to mount the three-slot chassis in a Telco 23" rack.

The four-slot and sixteen-slot chassis models are 19" rack mountable.

A "Triple Redundancy" variation of the sixteen-slot chassis has a segmented backplane, providing three logically independent areas of two five-slot segments and one six-slot segment. This can provide fully independent primary and backup paths in one chassis.

The sixteen-slot/Telco chassis model is a 21" wide, reduced-depth chassis, and includes brackets for mounting in a Telco 23" rack. It includes a front-mounted DC power supply, and supports redundant DC power supplies.

For additional information including pricing and availability, contact your MRV Communications sales representative today.

CHASSIS

Ordering Info

Part Number	Description	Dimensions (High x Wide x Deep)	Current Requirement 100-240 Vac 50/60 Hz	36-75Vdc	Shipping Weight	Operating Temp.	Storage Temp.	Max. Relative Humidity
NC316BU-1/AC	One-slot, AC power	38.1mm x 158.8 mm x 20.32 mm (1.5" x 6.25" x 8")	0.3A	N/A	1.6 kg (3.5 lbs)	0ºC to 50ºC (32 F to 122 F)	-20ºC to 70ºC (0ºF to 154ºF)	85% non-condensing
NC316BU-1/DC	One-slot, DC power		N/A	0.5A		-35ºC to 55ºC (-31ºF to 131ºF)	-55ºC to 75ºC (-67ºF to 167ºF)	
NC316BU-1HP/AC	One-slot, AC power		0.3A	N/A		0ºC to 50ºC (32ºF to 122ºF)	-20ºC to 70ºC (0ºF to 154ºF)	
NC316BU-1HP/DC	One-slot, DC power		N/A	0.5A		-40ºC to 65ºC (-40ºF to 149ºF)	-45ºC to 75ºC (-49ºF to 167ºF)	
NC316BU-1/NP	One-slot, no power supply (passive application only)		N/A		1.4 kg (3 lbs)	N/A	N/A	N/A
NC316BU-2/AC	Two-slot, AC power	76.2 mm x 158.8 mm x 20.32 mm (3.0" x 6.25" x 8")	0.3A	N/A	2 kg (4.5 lbs)	0ºC to 50ºC (+32 F to 122 F)	-20ºC to 70ºC (0ºF to 154ºF)	85% non-condensing
NC316BU-2/DC	Two-slot, DC power		N/A	0.5A		-35ºC to 55ºC (-31ºF to 131ºF)	-55ºC to 75ºC (-67ºF to 167ºF) -	
NC316BU-3/AC	Three-slot Telco, for 19" rack - AC power	44.5 mm x 457.2 mm x 208.2 mm (1.75" x 18" x 8")	1.42A	N/A	2.95 kg (6.5 lbs)	0ºC to 50ºC (+32 F to 122 F)	20ºC to 70ºC (0ºF to 154ºF)	85% non-condensing
NC316BU-3/DC	Three-slot Telco, for 19" rack - DC power		N/A	2A		-35ºC to 55ºC (-31ºF to 131ºF)	-55ºC to 75ºC (-67ºF to 167ºF)	
NC316BU-4/AC	Four-slot, for 19" rack - AC Power	44.5 mm x 438 mm x 470 mm (1.75" x 17.25" x 18.5")	2A	N/A	7.7 kg (17 lbs)	0ºC to 50ºC (+32 F to 122 F)	20ºC to 70ºC (0ºF to 154ºF)	85% non-condensing
NC316BU-4/DC	Four-slot, for 19" rack - DC Power		N/A	2A		-35ºC to 55ºC (-31ºF to 131ºF)	-55ºC to 75ºC (-67ºF to 167ºF)	
NC316BU-16/AC	Sixteen-slot, for 19" rack - AC Power	111 mm x 438 mm x 457 mm (4.375" x 17.25" x 18")	2A	N/A	10.4 kg (23 lbs)	0ºC to 50ºC (+32 F to 122 F)	20ºC to 70ºC (0ºF to 154ºF)	85% non-condensing
NC316BU-16/DC	Sixteen-slot, for 19" rack - DC Power		N/A	5A		-35ºC to 55ºC (-31ºF to 131ºF)	-55ºC to 75ºC (-67ºF to 167ºF)	
NC316BU-16/AC3	Sixteen-slot, Three-segment Backplane, for 19" rack - AC power	111 mm x 438 mm x 457 mm (4.375" x 17.25" x 18")	2A	N/A	10.4 kg (23 lbs)	0ºC to 50ºC (+32 F to 122 F)	20ºC to 70ºC (0ºF to 154ºF)	85% non-condensing
NC316BU-16/DC3	Sixteen-slot, Three-segment Backplane, for 19" rack - AC power		N/A	5A		-35ºC to 55ºC (-31ºF to 131ºF)	-55ºC to 75ºC (-67ºF to 167ºF)	
NC316BU-16T/DC	Sixteen-slot Telco, for 23" rack - DC Power	133 mm x 533 mm x 254 mm (5.25" x 21" x 10")	N/A	5A	9.5 kg (23 lbs)	-35ºC to 55ºC (-31ºF to 131ºF)	-55ºC to 75ºC (-67ºF to 167ºF)	85% non-condensing

Safety Compliance: UL - UL 1950; CUL - CSA 22.2, No. 950; TUV - EN 60950; CE - IEC 950/EN 60950 (Not applicable to NC316BU-1/NP)
Emissions Compliance: FCC - Part 15, Subpart B, 1999, Class A; CE Mark - EN 50081-1:1992, EN50082-1:1997, EN55024:1998, EN 55022:1998, AS/NZS 3548:1995

REDUNDANT POWER SUPPLIES

Ordering Info	Part Number	Description	Current Requirement	
			100-240Vac, 50/60 Hz	36-75Vdc
	NC316-3RPSAC	Redundant Power Supply for NC316BU-3/AC	1.42A	N/A
	NC316-3RPSDC	Redundant Power Supply for NC316BU-3/DC	N/A	2A
	NC316-4RPSAC	Redundant Power Supply for NC316BU-4/AC	2A	N/A
	NC316-4RPSDC	Redundant Power Supply for NC316BU-4/DC	N/A	2A
	NC316-16RPSAC	Redundant Power Supply for NC316BU-16/AC, or -16AC/3	2A	N/A
	NC316-16RPSDC	Redundant Power Supply for NC316BU-16DC, or -16/DC/3	N/A	5A

ACCESSORIES

Ordering Info	Part Number	Description
	NC316RB23-3	Rack Mount Bracket for NC316BU-3/AC or -3/DC Telco Chassis; 23"
	NC316-16BRACKET	Rack Mount Bracket for 16-slot chassis
	NC316RB23-16	Rack Mount Bracket for NC316BU-16/AC Chassis, 23"
	NC316MB-1	Wall Mount Bracket for NC316BU-1
	NC316MB-2	Wall Mount Bracket for NC316BU-2
	NC316BP-1	Blank Panel, Single-Slot Wide, for NC316BU
	NC316BP-4	Blank Panel, Four-Slot Wide, for NC316BU-16
	NC316DCC	DC Power Female Connector (WAGO)
	NC316BU-16CMT	Cable Management Tray for the NC316BU-16 Chassis

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