



Datasheet

Fiber Driver® Chassis



Overview

The Fiber Driver® product line includes one-, two-, three-, four- and sixteen-slot chassis for deploying and managing Fiber Driver media modules.

The three-slot (NC316BU-3), four-slot (NC316BU-4), sixteen-slot (NC316BU-16) and sixteen-slot Telco (NC316BU-16T) chassis can be equipped with redundant, hot-swappable AC or DC internal power supplies. The two-slot NC316BU-2 and one-slot NC316BU-1 come with a single AC or DC internal power supply. The Triple Redundancy 16-slot chassis can be configured with dual DC power supplies.

The NC316BU-1HP is designed to accommodate modules such as the Fiber Driver Single Fiber converters that require higher power and greater heat dissipation than is available in the standard one-slot chassis. For fully passive solutions like the Fiber Driver Splitter/Combiner module there is the non-powered NC316BU-1/NP one-slot chassis, and the NC316BU4PMC/NP four-slot chassis.

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 two-, three-, four- and sixteen-slot chassis can accommodate a Network Management (EM316NM) module, which provides for the monitoring of system temperature, fan status, and power supply status. These chassis also support management cascading, which allows two chassis to be connected together and managed by a single EM316NM.

The NC316BU-4 and NC316BU-16 are 19" rack mountable. The NC316BU-3 and NC316BU-16T, having reduced depth form factors and utilizing front-loaded power supplies, are designed for Telco installations. Both can be mounted in 23" racks. The NC316BU-3 can also be mounted in 19" racks.

The one-slot chassis are suitable for use in standalone, unmanaged applications. The NC316BU-2 is designed for single-module managed and two-module unmanaged standalone applications.

The Triple Redundancy 16-slot chassis is designed with a triple segment backplane (6 slots, 6 slots, and 5 slots), each operating independently of the other. Like the standard 16-slot chassis, the Triple Redundancy mounts in a 19" rack.

For additional information on these or any of our full line of products contact your nearest MRV representative.

CHASSIS

Part Number	Description	Dimensions (High x Wide x Deep)	Current Requirement		Shipping Weight	Operating Temp.	Storage Temp.	Max. Relative Humidity
			100-240 Vac 50/60 Hz	36-75Vdc				
NC316BU-1/AC	One-slot, AC power	38.1mm x 158.8mm x 203.2 mm (1.5" x 6.25" x 8")	0.3A	N/A	1.6 kg (3.5 lbs)	0°C to 50°C (32°F to 122°F)	-20°C to 70°C (0°F to 154°F)	85% non- condensing
NC316BU-1/DC	One-slot, DC power		N/A	0.5A		-35°C to 55°C (-31°F to 131°F)	-55°C to 75°C (-67°F to 167°F)	
NC316BU-1/AC/EU	One-slot, VAC power (European version)		0.3A	N/A		0°C to 50°C (32°F to 122°F)	-20°C to 70°C (0°F to 154°F)	
NC316BU-1HP/AC	One-slot, AC power		0.3A	N/A		0°C to 50°C (32°F to 122°F)	-20°C to 70°C (0°F to 154°F)	
NC316BU-1HP/DC	One-slot, DC power		N/A	0.5A		-40°C to 65°C (-40°F to 149°F)	-45°C to 75°C (-49°F to 167°F)	
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 203.2 mm (3.0" x 6.25" x 8")	0.3A	N/A	2 kg (4.5 lbs)	0°C to 50°C (32°F to 122°F)	-20°C to 70°C (0°F to 154°F)	85% non- condensing
NC316BU-2/DC	Two-slot, DC power		N/A	0.5A		-35°C to 55°C (-31°F to 131°F)	-55°C to 75°C (-67°F to 167°F)	
NC316BU-3/AC	Three-slot Telco, for 19" rack - AC power	44.5 mm x 457.2 mm x 203.2 mm (1.75" x 18" x 8")	1.42A	N/A	2.95 kg (6.5 lbs)	0°C to 50°C (32°F to 122°F)	-20°C to 70°C (0°F to 154°F)	85% non- condensing
NC316BU-3/DC	Three-slot Telco, for 19" rack - DC power		N/A	2A		-35°C to 55°C (-31°F to 131°F)	-55°C to 75°C (-67°F to 167°F)	
NC316BU-4/AC	Four-slot, for 19" rack - AC power	44.5 mm x 438 mm x 457 mm (1.75" x 17.25" x 18.5")	2A	N/A	7.7 kg (17 lbs)	0°C to 50°C (32°F to 122°F)	20°C to 70°C (0°F to 154°F)	85% non- condensing
NC316BU-4/DC	Four-slot, for 19" rack - DC power		N/A	2A		-35°C to 55°C (-31°F to 131°F)	-55°C to 75°C (-67°F to 167°F)	
NC316BU4PMC/NP	4-slot, non-powered for passive modules	44.5 mm x 438 mm x 292 mm (1.75" x 17.25" x 11.5")	N/A	N/A	2.95 kg (6.5 lbs)	N/A	N/A	N/A
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)	0°C to 50°C (32°F to 122°F)	20°C to 70°C (0°F to 154°F)	85% non- condensing
NC316BU-16/DC	Sixteen-slot, for 19" rack - DC power		N/A	5A		-35°C to 55°C (-31°F to 131°F)	-55°C to 75°C (-67°F to 167°F)	
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 (21 lbs)	-35°C to 55°C (-31°F to 131°F)	-55°C to 75°C (-67°F to 167°F)	
NC316BU-16/DC3	Sixteen-slot, for 19" rack - DC power, triple redundancy three-segment backplane	111 mm x 438 mm x 457 mm (4.375" x 17.25" x 18")	N/A	5A	10.4 kg (23 lbs)	-35°C to 55°C (-31°F to 131°F)	-55°C to 75°C (-67°F to 167°F)	

Ordering Info

EMC & Safety Compliance: FCC Part 15, Class A; IC, Class A; EMC Directive: Emission (Class A) and Immunity; EMC: LVD Directive: Electrical Safety; CE Marking; TUV CUE Mark (Canada, USA, EU); WEEE Directive: Wheelie Bin Mark;
Additional Certifications: ETSI, NEBS, C-Tick, GOST (selected products). Contact your sales representative for additional information.



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
	NC316-16TRPSDC	Redundant Power Supply for NC316BU-16T/DC	N/A	5A

ACCESSORIES

Ordering Info	Part Number	Description
	NC316RB23-3	Rack Mount Bracket for NC316BU-3/AC or -3/DC Telco Chassis; 23"
	NC316RB23-4	Rack Mount Bracket for NC316BU-4/AC or -4/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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