

Datasheet

Fiber Driver® Chassis

The Optical Multi-Service Platform



Overview

The Fiber Driver® chassis is the foundation for deploying and managing the Fiber Driver multi-service mixed-media solutions. Chassis are available with one, two, three, four, and sixteen slots with power and mounting options depending on the model. The smaller models may be wall-mounted, the larger modules include 19" rack mount hardware, and all chassis can operate standalone on a tabletop mount.

Besides module capacity, Fiber Driver chassis models have some varied features. One-slot and two-slot chassis include an internal AC or DC power supply with power ratings to support all Fiber Driver modules. The three-slot, four-slot, and sixteen-slot chassis support redundant, hot-swappable pairs of internal AC or DC power supplies. The one-slot chassis supports only unmanaged applications since they do not require multiple slots. The parallel slots in the two-slot and sixteen-slot chassis each support wide modules requiring multiple slots.

Features

- Models with 1, 2, 3, 4, or 16 slots
- Flexible module hosting: no slot dependency
- Hot-swap support
- Management module support (except 1-slot models)
 - component and link status monitoring
 - command line and graphical administration
 - SNMP support with status traps
- Optional features on specific models (see ordering tables)
 - redundant power supplies (AC or DC pairs)
 - no power supply (passive solutions)
 - rack and wall mounting options
 - front cable management tray
 - blank slot covers



ONE-SLOT CHASSIS



TWO-SLOT CHASSIS



SIXTEEN-SLOT CHASSIS



THREE-SLOT CHASSIS



FOUR-SLOT CHASSIS

Datasheet

The NC316BU-1/NP and NC316BU4PMC/NP are designed as non-powered chassis only. The NC316BU-4S/NP and NC316BU-16/NP chassis include no power supplies, but their empty power supply bays support the optional redundant power supplies. Non-powered chassis are designed to support passive networking solutions such as the Fiber Driver WDM modules in unmanaged applications.

A Fiber Driver Network Management module may be installed in any multi-slot chassis to monitor

system component parameters (temperature, fan status, and power supply) and network status. Some Fiber Driver devices may also be actively managed to affect operational features and parameters. The management module provides secure local serial access or remote Ethernet access to the entire Fiber Driver chassis system including the chassis itself to the modules and even the individual ports.

Contact your nearest MRV representative for information on Fiber Driver or other products.

REDUNDANT POWER SUPPLIES

Ordering Information	Model	Description
	NC316-3RPSAC	Redundant Power Supply for NC316BU-3/AC
	NC316-3RPSDC	Redundant Power Supply for NC316BU-3/DC
	NC316BU-4SRPSAC	Redundant Power Supply for NC316BU-4S/AC
	NC316BU-4SRPSDC	Redundant Power Supply for NC316BU-4S/DC
	NC316-16RPSAC	Redundant Power Supply for NC316BU-16/AC
	NC316-16RPSDC	Redundant Power Supply for NC316BU-16/DC

ACCESSORIES

Ordering Information	Model	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
NC316-16DOOR	Cable Management Tray and transparent door for the NC316BU-16 Chassis	

Datasheet
CHASSIS

Model	Description	Physical Dimensions (high x width x depth)	Weight
NC316BU-1/15AC	One-slot, 15 Watts AC power	38 mm x 159 mm x 199 mm (1.50" x 6.26" x 7.83")	1.1Kg (2.4 lbs)
NC316BU-1/15DC	One-slot, 15 Watts DC power	38 mm x 159 mm x 199 mm (1.50" x 6.26" x 7.83")	1.1Kg (2.4 lbs)
NC316BU-1/15ACE	One-slot, VAC power (European version)	38 mm x 159 mm x 199 mm (1.50" x 6.26" x 7.83")	1.1Kg (2.4 lbs)
NC316BU-1/15NP	One-slot, no power supply (passive application only)	38 mm x 159 mm x 199 mm (1.50" x 6.26" x 7.83")	1.0 kg (2.2 lbs)
NC316BU-1/AC	One-slot, AC power	38 mm x 159 mm x 199 mm (1.50" x 6.26" x 7.83")	1.0 kg (2.2 lbs)
NC316BU-1/DC	One-slot, DC power	38 mm x 159 mm x 199 mm (1.50" x 6.26" x 7.83")	1.0 kg (2.2 lbs)
NC316BU-1/AC/EU	One-slot, VAC power (European version)	38 mm x 159 mm x 199 mm (1.50" x 6.26" x 7.83")	1.0 kg (2.2 lbs)
NC316BU-1HP/AC	One-slot, AC power	38 mm x 159 mm x 199 mm (1.50" x 6.26" x 7.83")	1.0 kg (2.2 lbs)
NC316BU-1HP/DC	One-slot, DC power	38 mm x 159 mm x 199 mm (1.50" x 6.26" x 7.83")	1.0 kg (2.2 lbs)
NC316BU-1/NP	One-slot, no power supply (passive application only)	38 mm x 159 mm x 199 mm (1.50" x 6.26" x 7.83")	1.0 kg (2.2 lbs)
NC316BU-2/15AC	Two-slot, 15 Watts per slot, AC power	65 mm x 159 mm x 197 mm (2.56" x 6.26" x 7.75")	1.4 kg (3.1 lbs)
NC316BU-2/15DC	Two-slot, 15 Watts per slot, DC power	65 mm x 159 mm x 197 mm (2.56" x 6.26" x 7.75")	1.4 kg (3.1 lbs)
NC316BU-2/AC	Two-slot, AC power	65 mm x 159 mm x 197 mm (2.56" x 6.26" x 7.75")	1.4 kg (3.1 lbs)
NC316BU-2/DC	Two-slot, DC power	65 mm x 159 mm x 197 mm (2.56" x 6.26" x 7.75")	1.4 kg (3.1 lbs)
NC316BU-3/AC	Three-slot Telco, for 19" rack, AC power	44 mm x 439 mm x 203 mm (1.73" x 17.28" x 7.99")	3.1 kg (6.8 lbs)
NC316BU-3/DC	Three-slot Telco, for 19" rack, DC power	44 mm x 439 mm x 203 mm (1.73" x 17.28" x 7.99")	3.0 kg (6.6 lbs)
NC316BU-4S/AC	Four-slot, for 19" rack, AC power	44 mm x 439 mm x 305 mm (1.73" x 17.28" x 12.00")	4.5 kg (9.9 lbs)
NC316BU-4S/DC	Four-slot, for 19" rack, DC power	44 mm x 439 mm x 305 mm (1.73" x 17.28" x 12.00")	4.5 kg (9.9 lbs)
NC316BU-4S/NP	Four-slot, two empty power supply bays	44 mm x 439 mm x 305 mm (1.73" x 17.28" x 12.00")	4.0 kg (8.8 lbs)
NC316BU4PMC/NP	Non-managed, non-powered four-slot chassis for passive Mux/Demux modules	44 mm x 441 mm x 286 mm (1.73" x 17.36" x 11.26")	4.3 kg (9.6 lbs)
NC316BU-16/AC	Sixteen-slot, for 19" rack, AC power	110 mm x 439 mm x 408 mm (4.33" x 17.28" x 16.06")	8.8 kg (19.4 lbs)
NC316BU-16/DC	Sixteen-slot, for 19" rack, DC power	110 mm x 439 mm x 408 mm (4.33" x 17.28" x 16.06")	8.7 kg (19.2 lbs)
NC316BU-16/NP	Sixteen-slot, for 19" rack, two empty power bays	110 mm x 439 mm x 408 mm (4.33" x 17.28" x 16.06")	7 kg (15.4 lbs)

Ordering Information



Datasheet

Power Supply Specifications

Model	Nominal Input Range (VAC)	Input Range (VDC)*	Nameplate Rating (Amps)	Operating Temperature	Storage Temperature	Relative Humidity
NC316BU-1/15AC	100 - 240 @ 50/60 Hz	-	0.3	0 to +50°C (+32 to +122°F)	-20 to +70°C (0 to +154°F)	< 85% non condensing
NC316BU-1/15DC	-	- 40.5 to - 57	0.5	-35 to +60°C (-31 to +140°F)	-35 to +70°C (-31 to +158°F)	< 85% non condensing
NC316BU-1/15ACE	100 - 240 @ 50/60 Hz	-	0.3	0 to +50°C (+32 to +122°F)	-20 to +70°C (0 to +154°F)	< 85% non condensing
NC316BU-1/AC	100 - 240 @ 50/60 Hz	-	0.3	0 to +50°C (+32 to +122°F)	-20 to +70°C (0 to +154°F)	< 85% non condensing
NC316BU-1/DC	-	- 40.5 to - 57	0.5	-35 to +60°C (-31 to +140°F)	-35 to +70°C (-31 to +158°F)	< 85% non condensing
NC316BU-1/AC/EU	100 - 240 @ 50/60 Hz	-	0.3	0 to +50°C (+32 to +122°F)	-20 to +70°C (0 to +154°F)	< 85% non condensing
NC316BU-1HP/AC	100 - 240 @ 50/60 Hz	-	0.3	0 to +50°C (+32 to +122°F)	-20 to +70°C (0 to +154°F)	< 85% non condensing
NC316BU-1HP/DC	-	- 40.5 to - 57	0.5	-40 to +65°C (-40 to +149°F)	-45 to +75°C (-49 to +167°F)	< 85% non condensing
NC316BU-2/15AC	100 - 240 @ 50/60 Hz	-	0.4	0 to +50°C (+32 to +122°F)	-20 to +70°C (0 to +154°F)	< 85% non condensing
NC316BU-2/15DC	-	- 40.5 to - 57	0.8	-35 to +60°C (-31 to +140°F)	-35 to +70°C (-31 to +158°F)	< 85% non condensing
NC316BU-2/AC	100 - 240 @ 50/60 Hz	-	0.3	0 to +50°C (+32 to +122°F)	-20 to +70°C (0 to +154°F)	< 85% non condensing
NC316BU-2/DC	-	- 40.5 to - 57	0.5	-35 to +60°C (-31 to +140°F)	-35 to +70°C (-31 to +158°F)	< 85% non condensing
NC316BU-3RPSAC	100 - 240 @ 50/60 Hz	-	1.6	0 to +50°C (+32 to +122°F)	-20 to +70°C (0 to +154°F)	< 85% non condensing
NC316BU-3RPSDC	-	- 40.5 to - 57	2.0	-35 to +60°C (-31 to +140°F)	-35 to +70°C (-31 to +158°F)	< 85% non condensing
NC316BU-4SRPSAC	100 - 240 @ 50/60 Hz	-	1.8	0 to +50°C (+32 to +122°F)	-20 to +70°C (0 to +154°F)	< 85% non condensing
NC316BU-4SRPSDC	-	- 40.5 to - 57	2.0	-35 to +60°C (-31 to +140°F)	-35 to +70°C (-31 to +158°F)	< 85% non condensing
NC316BU-16RPSAC	100 - 240 @ 50/60 Hz	-	3.5	0 to +50°C (+32 to +122°F)	-20 to +70°C (0 to +154°F)	< 85% non condensing
NC316BU-16RPSDC	-	- 40.5 to - 57	5.0 or 6.5	-35 to +60°C (-31 to +140°F)	-35 to +70°C (-31 to +158°F)	< 85% non condensing

* Compliant with ANSI TI.315-1994 standard

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

MRV has more than 50 offices throughout the world. Addresses, phone numbers and fax numbers are listed at www.mrv.com. Please e-mail us at sales@mrv.com or call us for assistance.

MRV Los Angeles
20415 Nordhoff St.
Chatsworth, CA 91311
800-338-5316
818-773-0900

MRV Boston
295 Foster St.
Littleton, MA 01460
800-338-5316
978-952-4700

MRV International
Business Park Moerfelden
Waldeckerstrasse 13
64546 Moerfelden-Walldorf
Germany
Tel. (49) 6105/2070
Fax (49) 6105/207-100

All statements, technical information and recommendations related to the products herein are based upon information believed to be reliable or accurate. However, the accuracy or completeness thereof is not guaranteed, and no responsibility is assumed for any inaccuracies. Please contact MRV Communications for more information. MRV Communications and the MRV Communications logo are trademarks of MRV Communications, Inc. Other trademarks are the property of their respective holders.