

**Datasheet**

## Fiber Driver® Chassis

The Optical Multi-Service Platform



### 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

### 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, each Fiber Driver chassis model has 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.

Fiber Driver offering includes non-powered chassis. Some of these non-powered chassis have empty power supply bays that support the optional redundant power supplies. (See ordering information tables.) 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.

Visit <http://www.mrv.com> or contact your nearest MRV representative for information on Fiber Driver or other products.

## Datasheet

### 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
	NC316MB-1	Wall Mount Bracket for NC316BU-1
	NC316MB-2	Wall Mount Bracket for NC316BU-2
	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"
	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
	NC316MB-16	Wall Mount Bracket for NC316BU-16
	NC316-16DOOR	Cable Management Tray and transparent door for the NC316BU-16 Chassis

### CHASSIS

Ordering Information	Model	Description	Average Power (Per Slot)	Physical Dimensions (HxWxD)	Approx. Weight
	NC316BU-1/15AC	One-slot, AC power	15 watts	38 mm x 159 mm x 199 mm (1.50" x 6.26" x 7.83")	1.0 kg (2.2 lbs)
	NC316BU-1/15DC	One-slot, DC power	15 Watts	38 mm x 159 mm x 199 mm (1.50" x 6.26" x 7.83")	1.0 kg (2.2 lbs)
	NC316BU-1/15ACE	One-slot, AC power (European version)	15 Watts	38 mm x 159 mm x 199 mm (1.50" x 6.26" x 7.83")	1.0 kg (2.2 lbs)
	NC316BU-1/15NP	One-slot, no power supply (passive application only)	N/A	38 mm x 159 mm x 199 mm (1.50" x 6.26" x 7.83")	0.9 kg (2.0 lbs)
	NC316BU-1/AC (EOL*)	One-slot, AC power	10 Watts	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 (EOL*)	One-slot, DC power	10 Watts	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 (EOL*)	One-slot, AC power (European version)	10 Watts	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 (EOL*)	One-slot, AC power	10 Watts	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 (EOL*)	One-slot, DC power	10 Watts	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 (EOL*)	One-slot, no power supply (passive application only)	N/A	38 mm x 159 mm x 199 mm (1.50" x 6.26" x 7.83")	0.9 kg (2.0 lbs)	

\* EOL – These products are at "End of Life" and not recommended for new projects.

**Datasheet**
**CHASSIS (Continued)**

Ordering Information	Model	Description	Average Power (Per Slot)	Physical Dimensions (HxWxD)	Weight
	NC316BU-2/15AC	Two-slot, AC power	15 Watts	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, DC power	15 Watts	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 (EOL*)	Two-slot, AC power	10 Watts	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 (EOL*)	Two-slot, DC power	10 Watts	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	15 Watts	44 mm x 439 mm x 203 mm (1.73" x 17.28" x 7.99")	3.0 kg (6.6 lbs)
	NC316BU-3/DC	Three-slot Telco, for 19" rack, DC power	15 Watts	44 mm x 439 mm x 203 mm (1.73" x 17.28" x 7.99")	3.0 kg (6.6 lbs)
	NC316BU-3V/AC	Three-slot, vertical stack, table mount, AC power	15 Watts	103 mm x 202 mm x 217 mm (4.05" x 7.95" x 8.54")	2.5 kg (5.5 lbs)
	NC316BU-3V/DC	Three-slot, vertical stack, table mount DC power	15 Watts	103 mm x 202 mm x 217 mm (4.05" x 7.95" x 8.54")	2.5 kg (5.5 lbs)
	NC316BU-4S/AC	Four-slot, for 19" rack, AC power	15 Watts	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	15 Watts	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	N/A	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	N/A	44 mm x 441 mm x 286 mm (1.73" x 17.36" x 11.26")	4.5 kg (9.9 lbs)
	NC316BU-16/AC	Sixteen-slot, for 19" rack, AC power	10 Watts	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	10 Watts	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	N/A (10-Watt option)	110 mm x 439 mm x 408 mm (4.33" x 17.28" x 16.06")	7 kg (15.4 lbs)
NC316BU-16/15AC	Sixteen-slot, for 19" rack, AC power	15 Watts	132 mm x 439 mm x 359 mm (5.2" x 17.28" x 14.13")	9.7 kg (21.4 lbs)	
NC316BU-16/15DC	Sixteen-slot, for 19" rack, DC power	15 Watts	132 mm x 439 mm x 359 mm (5.2" x 17.28" x 14.13")	9.4 kg (20.7 lbs)	
NC316BU-16/15NP	Sixteen-slot, for 19" rack, two empty power bays	N/A (15-Watt option)	132 mm x 439 mm x 359 mm (5.2" x 17.28" x 14.13")	7.2 kg (15.8 lbs)	

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**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

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\*\* Compliant with ANSI T1.315-2001 (R 2006) standard

**Datasheet**
**Power Supply Specifications (Continued)**

Model	Nominal Input Range (VAC)	Input Range (VDC)**	Nameplate Rating (Amps)	Operating Temperature	Storage Temperature	Relative Humidity
NC316BU-1/AC (EOL*)	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 (EOL*)	-	- 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 (EOL*)	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 (EOL*)	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 (EOL*)	-	- 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 (EOL*)	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 (EOL*)	-	- 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	-	2.0	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
NC316BU-16/15RPSAC	100 - 240 @ 50/60 Hz	-	3.7	0 to +50°C (+32 to +122°F)	-20 to +70°C (0 to +154°F)	< 85% non condensing
NC316BU-16/15RPSDC	-	- 40.5 to - 57	7.5	-35 to +60°C (-31 to +140°F)	-35 to +70°C (-31 to +158°F)	< 85% non condensing

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**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.

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