

WaveReady™ 3500, 5 U Rack-mount Shelf

DenseMount Shelf



Key Features

- Easy installation
- Deployable in central or remote locations
- Low profile – only 5 U (8.75 in)
- Easy front access to fiber connectors and fiber management
- Easy rear access to power distribution, alarms, and Ethernet interface for remote module management
- Convection cooling: no fans required
- Optional communications module

Applications

- Mounting shelf for WaveReady 3000 series modules

Compliance

- NEBS Level 3 compliant
- UL 60950 Third Edition
- CAN/CSA C22.2 No. 60950-00 Third Edition

The WaveReady 3500 shelf accommodates up to 13 WaveReady 3000 series modules in slots 1 to 13 and a communications module in slot “C.” The DenseMount Shelf is configured for installation in standard 19- and 23-inch telecommunication racks.

The WaveReady 3500 shelf supports a broad range of 3000 series modules, including Wideband, CWDM and DWDM optical transponders, optical regenerators and Erbium doped fiber amplifiers (EDFA).

The WaveReady 3500 shelf provides power, monitoring, and configuration through the backplane for each 3000 series module and the optional communications module.

External interfaces on the backplane include a standard five-position terminal block, a 50-pin Amp-Champ connector for aggregated Major Alarm and Minor Alarm relays, one sensor input for each module (14 in all), and an RJ-45 Ethernet connector. The optical communications module also has a DB-9/RS-232 port on the front panel.

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Performance Specifications¹

Parameter	Specification	
Electrical Characteristics		
DC supply voltage, primary and secondary	Typical	-48 V
Power dissipation		The WaveReady 3500 shelf itself does not dissipate power. Overall power dissipation depends on the number and type of installed modules. Refer to individual 3000 series module user manuals for power dissipation values. Convection cooled, no fan required.
Power connectors, DMS	Typical	Standard five-position terminal block, -48 V, on the backplane
Power connectors, modules	Typical	Common power drawn through 96-pin connectors on the backplane
Fuses (optional)	Typical	3.5 A Indicating, replace only with this rating of fuse
Alarm relay signals	Typical	Dry contacts on individual NRP modules
Physical Dimensions		
Size, 5 U high (19-inch configuration, H x W x D)		8.75 x 17.4 x 11.8 inches (22.23 x 48.26 x 29.97 cm)
Weight (empty)		12 lbs (5.45 kg)
Weight, when fully populated with NRPs	Maximum	31.6 lbs (14.35 kg)
Environmental Characteristics		
Operating ambient temperature	Minimum	-5 °C
	Maximum	55 °C
Storage temperature	Minimum	-40 °C
	Maximum	85 °C
Relative humidity (non-condensing)	Minimum	5%
	Maximum	95%

Note: This product should be deployed in accordance with your company's deployment directives.

1. Unless otherwise noted, all specifications are guaranteed over the life, operating temperatures, wavelength range, and input voltage range specified.

Interface Specifications

Parameter	Specification
RS-232	RS-232 through a DB-9 connector on the front panel of an optional COMM module.
Alarms	Alarms and sense through one 50-pin Amp-Champ connector on the backplane.
Ethernet	Ethernet connector on the backplane reserved for a communications module in slot "C".

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Ordering Information

For more information on this or other products and their availability, please contact your local JDSU account manager or JDSU directly at 1-800-498-JDSU (5378) in North America and +800-5378-JDSU worldwide or via e-mail at customer.service@jdsu.com.

Sample: 10129126

Product Code	Description
10129126	WaveReady 3500 DenseMount Shelf

Associated Parts

See WaveReady 3000 series modules at www.jdsu.com

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