

WaveReady 3100 1U Rack-mount Shelf

DMS-3100DC004 and DMS-3100AC002



Key Features

- Deployable in central or remote locations
- Low profile: only 1U (1.75 inches) with capacity for two WaveReady 3000 modules
- Two models are available: DC-and-AC powered chassis; additional external AC-to-DC converter available for DC model if desirable
- Capability of daisy-chaining up to three WaveReady 3100 shelves
- Easy rear access to power distribution, alarms
- Ethernet interface for remote or local module management via a craft interface terminal or GUI using the WaveReady Node Manager

Applications

- Remote, daisy-chainable shelves for one to five WaveReady 3000 series modules and a WaveReady communications module

Compliance

- This equipment complies with CSA standards for Canada and the USA
- FCC Class A part 15
- NEBS Level 3 WaveReady 3100 DC
- NEBS Level 2 WaveReady 3100 AC
- CE
- RoHS (DC version only)

The JDSU WaveReady™ 3100 is a 1U, two-slot, rack-mount shelf that is ideally suited for remote terminal and standalone network applications. The WaveReady (WR) 3100 provides power, monitoring, cooling, and management for all available WaveReady 3000 series modules.

The unit's remote management capabilities lower support costs while its low profile (1.75 inches) takes less space, thereby lowering operating expenditures. Its daisy-chaining capability provides a pay-as-you-grow transition path from two-module through to five-module systems. This approach allows service providers to plan their capital expenditures in line with their budgets and customer demands.

External interfaces on the backplane include a standard five-position terminal block, a DB-25 connector for aggregated major and minor alarm relays, one sensor input for each module, three DB-15 connectors for inter-shelf connection, and an RJ-45 Ethernet connector for management connectivity. Power is supplied through a standard five-position terminal block for the DC version and IEC320 cables for the AC version.

WR3100 cooling is implemented via a dual redundant fan unit that is field replaceable.

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Specifications

Parameter ¹		DMS-3100DC004	DMS-3100AC002
Electrical Characteristics			
DC supply voltage	Typical	-48 V DC standard five-position terminal block located on the rear of the unit	NA
AC power supply		NA	AC power is supplied through two IEC 320 cables connected to the rear of the shelf
Physical Dimensions			
IU high (19-inch configuration) (H x W x L)		1.75 x 17.4 x 11.8 in (4.45 x 44.19 x 29.97 cm)	1.75 x 17.4 x 17 in (4.45 x 44.19 x 43.18 cm)
Weight			
Empty		4.1 lbs (1.86 kg)	7.0 lbs (3.2 kg)
With two modules installed		6.6 lbs (2.99 kg)	9.5 lbs (4.3 kg)
Environmental Characteristics			
Operating temperature		-5 to 55 °C	0 to 40 °C
Storage temperature		-40 to 85 °C	-40 to 85 °C
Relative humidity (non-condensing)		5 to 95 %	5 to 95 %
Interface			
Configuration		DB-15 connectors for inter-shelf connection and communication. Subtending cable included.	
Local and remote management		RS-232/DB9 connector on front panel of optional WaveReady communications module for craft management of modules in the shelf or subtending shelves. RJ-45 Ethernet connector on backplane enabled when a WaveReady Communications Module is installed in the shelf or a parent shelf.	
Alarms		Dry contact on individual WaveReady modules. Relays open under normal operation. Relays closed when power is off and alarm is active. DB25 connector on the backplane for aggregated major alarm and minor alarm relays and sensor input for each module.	
Front panel		Seven LEDs: Fan 1 (fan status); Fan 2 (fan status); DC Power A (power supply A); DC Power B (power supply B); Shelf 1 (shelf configuration); Shelf 2 (shelf configuration); Shelf 3 (shelf configuration).	

1. Unless otherwise noted, all specifications are guaranteed over the life, operating temperatures, wavelength range, and input voltage range specified. This product must be deployed in accordance with your company's deployment directives.

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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: DMS-3100DC004

Product Code	Description
DMS-3100DC004	WaveReady 3100 shelf- DC version RoHS 5/6 compliant
DMS-3100AC002	WaveReady 3100 shelf- AC version

Associated Parts

Product Code	Description
DMS-3100-PWR-02	AC-DC converter RoHS 5/6 compliant
DMS-3100FAN02	FAN module RoHS 5/6 compliant
DMS-3100AF000	Replacement air filter and hardware RoHS 5/6 compliant

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