WaveReady™ Communication and Management Module
COM-200

Key Features

- **Supports both serial and Ethernet access to the module**
- **Provides craft (DB-9, RS232, or Ethernet/Telnet) access to a TL1 command interface**
- **Provides Ethernet and RS232 access to TL1 and SNMP management through the JDSU Node Manager software**
- **Offers compatibility with third-party SNMP-based management tools such HP OpenView**

Applications

- Enables monitoring and alarm aggregation for all modules in a node
- Enables software upgrades for individual modules in a node
- Supports administration and management for all modules in three configurations: single shelf, single network element (NE); multiple shelves, single NE; multiple shelves, multiple NEs

Compliance

- CC Part 15 (Class A); UL 60950 3rd Edition, December 2000; CAN/CSA-C22.2 No. 950-95; NEBS Level 3; GR-63-CORE; GR-1089-CORE; GR-78-CORE; CE; IEC 60950; ETS300-386; EN 55022 (Class B); 73/23/EEC
- RoHS (exemptions 7b, 8a)

The WaveReady Communications Module 200 (COM-200) provides monitoring, communication, and management of WaveReady modules when mounted in a WaveReady 3000 series platform.

The COM-200 polls and reports shelf information, slot occupancy, and types and status of modules installed in the shelf. The COM-200 is also used to set parameters of other modules and to upgrade the software version of modules in the shelf.

The COM-200 supports serial and Ethernet connections. The serial interface provides a direct connection for initial configuration of the COM-200 and local management of other modules. The Ethernet interface provides for local or remote management of the COM-200 and other modules in the shelf.

The Ethernet interface also allows COM-200 modules to be linked in series for easy management of modules in multiple shelves. In addition, WaveReady transponders capable of providing a supervisory channel over the optical fiber will allow the COM-200 to manage modules in a remote shelf.

The COM-200 supports two user interfaces: the WaveReady Node Manager, which is a TL1/SNMP Windows-based graphical user interface, and a TL1 command interface.

Five light-emitting diodes (LEDs) on the front panel indicate the status of the COM-200 module and other modules in the same shelf. LEDs associated with the Ethernet ports indicate link activity.

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Performance Specifications[1]

Parameter	Minimum	Typical	Maximum
Electrical Characteristics			
DC supply voltage[2]		−48 V through WaveReady 3000-Series shelf	
Power dissipation	—	5 W	8.5 W
Physical Dimensions			
Size (H x W x L)		17.27 x 2.54 x 21.84 cm (6.8 x 1.0 x 8.6 in)	
Weight (approximate)		0.54 kg (1.2 lb)	
Mounting options		Mounts in a WaveReady 3000-Series shelf in a standard 19- or 23-inch telecommunications rack	
Environmental Characteristics			
Operating ambient temperature	−5℃	—	55℃
Storage temperature	−40℃	—	85℃
Relative humidity (non-condensing)	5%	—	95%
Interface			
DB-9/RS232	Craft interface. 3-wire serial TTL, 9600 Baud, no parity, no flow control, 8 data bits, 1 stop bit craft interface.		
RJ45 or 10/100BaseT Ethernet	Two auto-sense, auto-crossover Ethernet ports (ports A and B) for networking and daisy-chaining. One local craft access (LCA) Ethernet port for local management and provisioning.		
Front panel	5 LEDs: CARD (power), CRIT (Critical Alarm), MAJ (Major Alarm), MIN (Minor Alarm), ACO (Alarm Cut-Off).		
	2 pushbuttons: ACO (Alarm Cut-Off) and INIT (Initialize)		
	4 ports: RS232 (DB-9/RS232), LCA (RJ45 Ethernet, local craft access) A and B (RJ45 Ethernet, network ports)		
Alarm relay signals	Dry contact, critical, major, and minor alarms. Relay is open under normal operation. Relay is closed when power is off or an alarm is active.		
Backplane Connector			
Electrical	A single 96-pin connector mounted on the backplane. Compatible with all WaveReady 3000-Series shelves.		
Software and Management			
TL1 command mode	Standard TL1 syntax, Telcordia® GR-811-CORE compliant. Supported through the RS232 craft interface or Ethernet on ports LCA or A.		
WaveReady Node Manager	Windows graphical user interface, TL1, and SNMPv3 supported through the RS232 craft interface or Ethernet on ports LCA or A. Compatible with third-party management software, such as HP OpenView. Communication with remote modules through an embedded supervisory channel is available for some modules. Requires JDSU WaveReady system software release 3.0 or above.		

[1]Deploy product in accordance with each company's deployment directives.

[2]The DC power supply must be −48 V SELV output and certified by a nationally recognized test laboratory (NRTL). UL tested at −48 V.

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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.

Product Code	Description
COM200ET003Y	Communication Module 200 (COM-200)
COM200ET003Y-4.3	Communication Module 200 (COM-200) with WaveReady System Release 4.3
COM200ET003Y-4.4	Communication Module 200 (COM-200) with WaveReady System Release 4.4
COM200ET003Y-4.5	Communication Module 200 (COM-200) with WaveReady System Release 4.5

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