

Four IEEE C37.94 Optical ports

- ✓ *Four independent IEEE C37.94 Optical transmit and receive pairs.*
- ✓ *Optical interfaces ideal for substation environments*
- ✓ *Up to eight cards per shelf*
- ✓ *Transmits up to 5 kilometers*

Building upon the success of its predecessor, the PRM-823760 two-port Optical HSU card, Zhone has developed a double capacity Optical HSU. We are introducing the four port PRM-8238xx cards. In addition to doubling the port density on the card, Zhone also introduces two models of the card; one that operates with 830nm fiber connections and another that operates with 1310nm fiber connections. Both cards conform to the IEEE C37.94 spec with regards to the ST optical connector on the front of the card. Both versions offer four full duplex IEEE C37.94 compliant optical ports for N times 64 kbps interface capability. Each optical port contains both transmit and receive fiber connectors along with a status LED. Transmitter LED is turned off when the port is placed into standby mode.

Each transmit and receive optical pair can contain up to twelve contiguous synchronous TDM timeslots. IMACS systems can contain up to eight 4-port OHSU User cards. The PRM-8238xx cards are compatible with the IMACS-600, IMACS-800 and IMACS-900 Chassis.

Requires minimum CPU Host Code level 6.3.0 or 7.2.0



Technical Specifications

Dimensions

- 8.0in H x 0.94in W x 7.5in D
- 20.32cm H x 2.39cm W x 19.05cm D
- IMACS 600 (HWD):
 - 9.12 in. x 17 in. x 9.12 in.
 - 23.16 cm x 43.2 cm x 23.16 cm
- IMACS 800 (HWD):
 - 9.12 in. x 17 in. x 15.3 in.
 - 23.16 cm x 43.2 cm x 38.86 cm
- IMACS 900 (HWD):
 - 15.4 in. x 17 in. x 9.12 in.
 - 39.12 cm x 43.2 cm x 23.16 cm

Weight

- .75 lbs (.34kg)

Power

- IMACS Shelf:
- 120 / 240 VAC
- 48 VDC
- 24 VDC (IMACS 600, 800, 900 only)
- Power consumption: 125 W (max)
- Output Power: 55 W continuous
- AC-to-DC power converter (-48 VDC)
- Dual feed & redundancy
- Ring generation

Interfaces

- TX and RX power for 62.5/125µm 1310 multi-mode offering: Min=-17.0 Typ=-13.5 Max=-11.0
- TX and RX power for 62.5/125µm 830 multi-mode offering: Min=-19.1 Typ=-14.0 Max=-11.6

Standards Support

- IEEE C37.94

Management

- MANAGEMENT INTERFACES
 - Connectivity: modem, SLIP, PPP, FDL time slot 24 (T1) or SAA time slot 31 (E1), ISDN D-channel, frame relay PVC
 - SNMP
- MegaSys Telenium network management system
 - Manages networks of IMACS
 - Centralized management
 - Point & click graphical user interface
 - Management of configurations, alarms, connectivity, diagnostics
 - Multi-user environment
 - SNMP-based
 - Supports TELNET for emulation of craft interface
 - IP addressing for node addresses
 - RS-232, VT-100 craft interface

Operating Requirements

- Operating Temperature: 32°F to 149°F (0°C to 65°C)
- Storage temperature: 32°F to 158°F (0°C to 70°C)
- Humidity: Up to 85%, non-condensing
- Altitude: -200ft to 16,500ft (-60m to 5,000m)

Ordering Information

PRM-823870	OHSU 4-port with 830nm multi-mode fiber interface
PRM-823875	OHSU 4-port with 1310nm multi-mode fiber interface



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