

- ✓ *Four Auto-sensing 10/100 Base-T Ethernet ports*
- ✓ *Compliant to RFC 2516 PPP and LCP*
- ✓ *128 Independently addressable links*
- ✓ *Four high speed (entire E1) and 124 configurable links*
- ✓ *Creates PPP, HDLC or Frame relay backbone for local Command and Control functions*
- ✓ *ARP and RIP with RIPv2 support*
- ✓ *Up to two cards per IMACS shelf*

The IP Router Bridging card allows IP services to be transported over the existing TDM network currently being used for IMACS TDM services.

The IMACS enhanced IP routing (IPR\*4) card (PRM-883270) provides four 10/100Mbps Ethernet interface ports on the IMACS which allows customers to use the existing TDM network to transport IP services. The enhanced IPR\*4 card enables customers to integrate and deploy IP services into remote locations currently only fed by E1s or T1s without a major investment or network upgrade. Many of these locations currently have IMACS products for muxing TDM services. Now the IMACS can also be used to bridge and transport remote IP based devices. Any currently deployed IMACS (IMACS-600/800/900) can be upgraded to accommodate the enhanced IPR\*4 card allowing customers to easily add IP services to any IMACS systems already in use.

The enhanced IPR\*4 card has four 10/100Mbps Ethernet ports that can be used independently as routing ports to allow for ease of provisioning, multiple configurations and different implementations as needed.

The enhanced card will support all of the same feature sets as the original IPR card, plus many new features and protocols that will allow users to seamlessly upgrade and grow their IMACS and IP networks without having to replace current platforms or upgrade to incorporate future technologies.



## 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

- 4 10/100 Ethernet ports
- 124 single-DSO uplink ports
- Four high-speed uplink ports - an entire E1 on each port
- Three interface types to choose from: PPP HDLC Frame Relay

### Standards Support

- RFC 2516 PPP and LCP
- RFC 1661 SNMP over OSI
- IPv4

### 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
- ONLINE ELEMENT MANAGEMENT SYSTEM
  - Manages networks of IMACS
  - Centralized management
  - Operates on SUN Solaris/HP OpenView
  - 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)



Z H O N E<sup>®</sup>

#### Zhone Technologies, Inc.

7195 Oakport Street  
Oakland, CA 94621  
1 510.777.7000  
[www.zhone.com](http://www.zhone.com)

**For more information about Zhone and its products, please visit the Zhone Web site at [www.zhone.com](http://www.zhone.com) or e-mail [info@zhone.com](mailto:info@zhone.com)**

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