OC-3 WAN Uplink and DS1 Transport card for the IMACS products

✓ *Fully OC-3 SONET compliant*

✓ *UPSR ADM OC-3 rings*

✓ *Point to point with 1+1 Protection*

✓ *12 Additional add/drop DS1's*

✓ *Ethernet over fiber connection*

✓ *Integrated test support*

✓ *MegaSys Telenium support*

The IMACS OC-3 WAN card will feature a full set of OC-3 capabilities and, in addition, will provide additional bandwidth for Ethernet and extra DS1 multiplexing capabilities. The OC-3 card will support unidirectional path-switched ring (UPSR) and 1 + 1 protection switching. The OC-3 card enables customers to carry both TDM and Ethernet traffic over SONET/SDH networks by utilizing the IMACS as the end point device.

The new IMACS OC-3 card enables customers to provide cost effective deployments of various TDM applications over fiber without the expense of deploying a separate OC-3 termination device. This is a one box solution for OC-3 termination points for what had previously been a two box solution. The IMACS feature set combines low speed and high speed data feeds, voice, Ethernet, and DS1 interfaces in one system and, with the addition of the OC-3 SONET/SDH link, we are offering a powerful system for the delivery of multiple services with full redundancy.

The IMACS OC-3 card will include a 12 port DS1 add/drop port. These 12 additional DS1s will compliment the 8 DS1s that the IMACS already supports. The 12 port DS1 connector on the OC-3 card will cross connect through the OC-3 card only and will not consume any additional backplane bandwidth of the IMACS chassis.

The IMACS System will support two OC-3 cards to allow for UPSR ring protection switching and 1 + 1 protection. This gives customers the option to deploy IMACS OC-3 systems in a cost effective variety of configurations which allows the IMACS to seamlessly integrate into an existing OC-3 network or be used as a stand alone OC-3 network.

The addition of the OC3 SONET/SDH card expands the feature set available to an already proven IMACS platform. The IMACS reputation for flexibility, ease of use, and robust scalable solutions continues to be enhanced with the addition of the OC3 card. Zhone continues to build on the promise to provide the most robust set of access services and applications on one manageable platform – IMACS.

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

Weight

- .82 lbs (.34kg)

Standards Support

- ANSI T1.105-2001
- ANSI T1.105.02-2001
- GR-253-CORE
- GR-496-CORE
- GR-63-CORE

Management

- 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

Bandwidth/Distance

- 155Mbps (OC-3)

Operating Requirements

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

**For more information about Zhone and its products, please visit the Zhone Web site at www.zhone.com
or e-mail info@zhone.com**

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