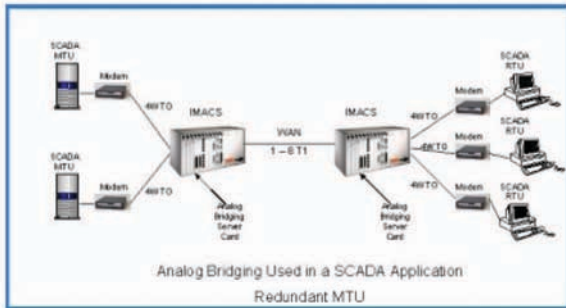


Conferencing capability on IMACS

- ✓ *The card can support eighty three-port bridges.*
- ✓ *Each bridge can support a maximum of 30 DS0's*
- ✓ *Shelf maximum of 240 DS0's can be bridged.*
- ✓ *The card supports a combiner/splitter function, which denotes one master and all participants as slaves. In this mode, the master can hear/talk to all participants, and the slaves shall hear only the master and be able to respond. Slave to Slave communication is prevented.*
- ✓ *Echo cancellation is built into the Analog Bridge card.*
- ✓ *End to end R2 signaling and CAS are supported.*
- ✓ *Voice compression / decompression is supported.*

Analog bridging is a feature which allows several analog voice band circuits to be combined (bridged) into a single analog voice band circuit. In the case of the IMACS application, each analog circuit is a DS0 channel carrying analog traffic from an access card port such as an FXS, FXO, 4 W E&M, or 2 W E&M. So, although the traffic originates as an analog signal, it is bridged digitally, after it has been digitized into a DS0. The bridge can also include trunked DS0 circuits originating from elsewhere, and conferenced together via inclusion of the WAN DS0 timeslot that carries the subscriber call. Bridging is done via provisioning on the IMACS using the maintenance terminal interface, like all other provisioning on the system. Once the bridge is set up, the circuits remain bridged until the provisioning is changed. There is no supervision (off hook/on hook) or signaling (dialing) involved and end-users can not dynamically add or drop themselves from the bridge. In summary, it is like a permanent telephone conference without the dynamic user control.





Each bridge can contain up to a maximum of 30 participants. Bridge to Bridge configurations are supported. The Bridge Server card can add as participants 240 DS0's, originating from the shelf or via transport. UP to eighty bridges can be configured, but total DS0 capacity is limited by use of compression and echo cancellation.

Compatible with IMACS-600, IMACS-800, and IMACS-900 Chassis

Requires minimum CPU Host Code level 6.2.0

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

Standards Support

- ADPCM voice compression
- ACELP voice compression, mapped to TDM

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)

Ordering Information

PRM-885070

Analog Bridging Server Card



Z H O N E

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