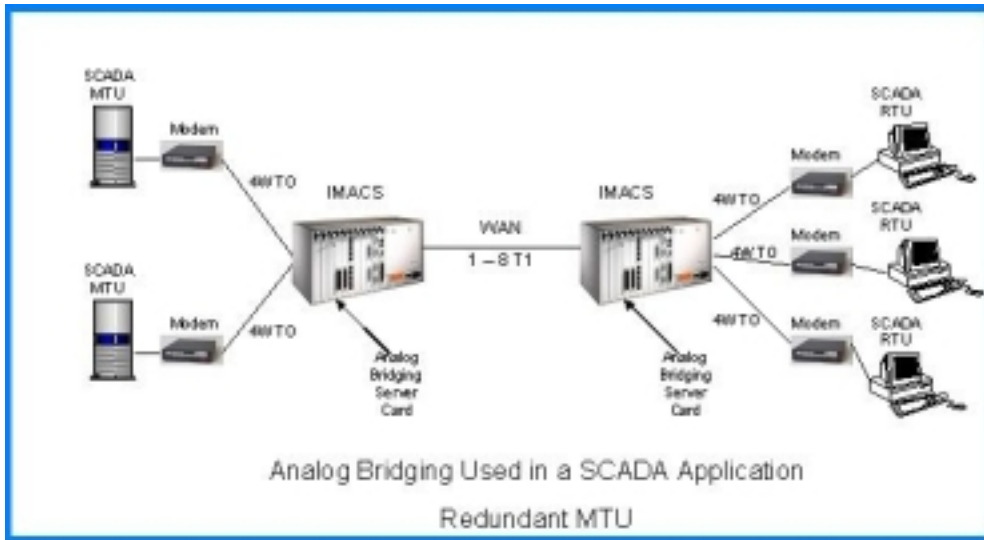


Conferencing capability on IMACS

- ✓ *The Analog Bridge Server card can support eighty three-port bridges.*
- ✓ *Each bridge can support a maximum of 30 DS0s*
- ✓ *Shelf maximum of 240 DS0s can be bridged.*
- ✓ *Echo cancellation is built into the Analog Bridge card.*
- ✓ *The Analog Bridge Server card can be configured to be in a redundant configuration to take over for a failed card.*
- ✓ *The Analog Bridge Server card supports SCADA networks.*

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 for 4 W E&M, or 2 W E&M. 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. Like all other provisioning on the system, bridging is done via provisioning on the IMACS using the maintenance terminal interface. Once the bridge is set up, the circuits remain bridged until provisioning is changed. There is no supervision (off hook/on hook) or signaling (dialing) involved and end-users cannot dynamically add or drop themselves from the bridge. Analog Bridging is essentially a permanent conference without dynamic user control.





Each bridge can contain a maximum of 32 participants. Bridge to bridge configurations are supported. The Analog Bridge Server card can add, as participants, 240 DS0s, 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, IMACS-900 and IMACS 8000 chassis.

Requires minimum CPU Host Code v6.2.0

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
- IMACS 8000 (HWD):
 - 9.12 in. x 17 in. x 15.3 in.
 - 23.16 cm x 43.2 cm x 38.86 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

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-885070	Analog Bridging Server Card
PRM-885070-68300	Analog Bridging Server Card Software v1.0.5
8000-BRIDGE	Analog Bridging Server Card for the IMACS 8000
8000-BRIDGE-68300	Analog Bridging Server Card Software v1.0.5



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