

S&MGS Series Signaling & Media Gateway System (4 or 8 T1/E1 Ports)

Description

The S&MGS Series Signaling & Media Gateway Systems are fully integrated, self-contained gateways for signaling and media interface or conversion. Applications using older CAS signaling or PRI/SS7 as well as newer SIGTRAN and SIP signaling are supported. Small systems may start at 4 T1/E1 ports and be expanded up to 8 T1/E1 ports (or up to 256 channels). Dual DC or AC power supply options as well as dual VoIP ethernet ports meet critical reliability requirements. Optional Standby 1 +1 system options provide automatic switchover to a standby gateway during a primary gateway upgrade, maintenance function or outage.

SS7 and SIGTRAN protocols incorporate the MTP/ISUP functions without separate stack components or signaling point code options. Signaling links and associations are equipped by license key activations only without hardware or platform changes. Port capacities may be increased to the maximum 8 T1/E1 ports through activation keys.

Teleprime ACD's signaling and media routing scripts address multiple applications for signaling conversion, processing and routing.

TELEPRIME ACD ORDERING INFORMATION

 Part #
 Description

 S&MGSACN0400
 4 x T1/E1

 S&MGSACN0800
 8 x T1/E1

For DC power, user DC instead of AC in the part number. For hot-swap power supply, use R instead of N in part number. 1+1 Hot Standby, add +1 to the part number.

Features:

- Scalable capacity 4 or 8 T1/E1 Ports
- Full featured signaling stacks & functions for CAS, PRI, SS7, SIGTRAN and SIP
- Supports multiple signaling types, stacks, routes (OPC/DPCs), SIP terminations.
 Programmable TeleprimeACD Routing Script
- Signaling conversion, interface and gateway in one single 1U chassis
- Separate Ethernet managment port can be set to DHCP client or DHCP server
- Console command line serial port or SSH over Ethernet for lower level configuration functions
- Embedded web server for menu based provisioning, alarm monitoring and control
- Advanced diagnostics and logging for network, signaling and call tracing functions
- High speed CPU non-blocking operation with ultra-low power consumption
- Redundant AC or DC power supply version
- Optional 1+1 Standby S&MGS Gateway for automatic switchover supporting upgrade, maintenance or service outage situations (includes T1/E1 network patchpanel for network switching between gateways

S&MGS Series non-redundant Signaling & Media Gateway



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Specifications:

Physical Ports:

Signaling Protocols:

Capacity and voice processing:

Voice activity detection (VAD)

Comfort noise generation (CNG)

** - NEBS Level 3 compliant, RoHS compliant

CALL-CONTROL:

Standalone call control TeleprimeACD Routing Script (TDM-VoIP, TDM-TDM, VoIP-VoIP with transcoding) Call routing based on: trunk group, calling/called numbers, nature of address, ASR, time of day, load-based, cost-based, TO:, FROM: Request URI, redirect numbers, and other parameters. NPA-NXX routing (100k+table entries, Excel or CVS file upload), Route retries, Call transfer (REFER, AT&T TR 50075)

H.248 (MEGACO) call controlITU-T H.248 versions 1 and 2 UDP, SCTP, IPsec transport DTMF and fax detection. DTMF announcements and call progress tone generation Call quality and inactivity alerts

Operation & Maintenance Provisioning:

TroubleshootingPer-call tracing (history and/or live) Signaling capture tools SSH command-line interface

Other characteristics:

Regulatory complianceUL/CSA 60950, CSA C22.2—EMC: FCC Part 15:2009, Subpart B, CE Mark (EN55022:2006, Class A, EM60950, EN61000, ETS 300 386)

Environmental:

Storage temp-10 to +75 °C, 95% relative humidity, non-condensing



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