

GSX9000™ High-Density Media Gateway

Ribbon MNS26 Management Network Server Card

The Ribbon Communications' MNS26 card acts as a master controller for the GSX9000 media gateway. Deployed in redundant pairs with the GSX9000 chassis, MNS26 cards are essential to the management and administration of the GSX9000 components—specifically the circuit, packet and signal processing cards that make up the chassis configuration. In conjunction with Release 7.3.7, Ribbon introduced the MNS26 card, which augments the existing MNS21 card design with 16GB of onboard Flash memory to support local boot up of the GSX device and caching of Call Detail Records (CDRs). The primary advantage of the MNS26 card is its support for remote deployment of DataStream Integrator (DSI) devices.

Memory

- 16GB of onboard Flash Memory for caching of event logs (CDRs) and local storage of GSX boot image, announcement files and core dumps

Mgmt. Module Control Interfaces

- Two (2) x 10/100Base-TX RJ-45 connectors
- RS-232 Serial Asynchronous Management Port
- DB-15 Connector for DS1/E1 timing interface

Mgmt. Module Bearer Interfaces

- Choice of:
 - MNA20: 2 x 10/100Base-TX RJ-45 connectors
 - MNA21: 1 x 1000Base-LX per IEEE 802.3z single-mode, medium-reach 10km fiber LC connector
 - MNA25: 1 x 1000Base-SX per IEEE 802.3z multi-mode, short-reach 275m (62.5 micron Fiber) or 550m (50 micron Fiber) LC connector

Redundancy

- 1:1 Management Modules

Circuit Timing Sources

- Any GSX9000 PSTN I/O Interface
- Internal Stratum 3 Clock
- Choice of:
 - MTA10: T1 redundant Building Integrated Timing Source (BITS) ports per GR-1244-CORE
 - MTA2x: E1 redundant Synchronous Equipment Timing Source (SETS) ports per ITU-T G.813, G.823 and G.704
 - MTA20 – E1 120 ohm
 - MTA21 – E1 75 ohm

Status Indicators

- Management Network Server (MNS)
 - Power Fault
 - Fan Failure



- Over Temperature
- Contact Alarm Output
- Contact Alarm Input
- MTA Fault
- MNA Activity
- Management Network Adapter (MNA)
 - Activity
- Management Timing Adapter (MNA)
 - Activity
 - Fault

Management Capabilities

- Event Log
- Diagnostics
- Configuration
- Performance
- Provisioning

Alarm Contacts

- 5 Alarm Out
- 5 Alarm In

Local Management

- Telnet
- Local Craft Command Line Interface
- Web
- SNMP Agent (SNMP Version 2)

Environmental

- Operating: 5° to 40° C
- Short Term: -5° to 55° C
- Non-Condensing Operating Humidity: 5% to 90%

Power

- Nominal Consumption: 1.5 Amps @ 48 VDC

Weight

- 3.0 lbs.

About Ribbon

Ribbon Communications (Nasdaq: RBBN) delivers communications software, IP and optical networking solutions to service providers, enterprises and critical infrastructure sectors globally. We engage deeply with our customers, helping them modernize their networks for improved competitive positioning and business outcomes in today's smart, always-on and data-hungry world. Our innovative, end-to-end solutions portfolio delivers unparalleled scale, performance, and agility, including core to edge software-centric solutions, cloud-native offers, leading-edge security and analytics tools, along with IP and optical networking solutions for 5G. We maintain a keen focus on our commitments to Environmental, Social and Governance (ESG) matters, offering an annual Sustainability Report to our stakeholders. To learn more about Ribbon, please visit [ribbon.com](https://www.ribbon.com).

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