

Tellabs® 1000 Multi-Service Access Series Internet Protocol Management Interface Card-3 (IPMI-3)

Overview

The Tellabs 1000 Multi-Service Access (MSA) Series Internet Protocol Management Interface (IPMI-3) plug-in card provides secure, remote access to the Tellabs 1000 MSA series and supports IP/ATM in-band or out-of-band management, which enables management functions without the need of a LAN or WAN connection. The IPMI-3 leverages current broadband infrastructure and utilizes a single Virtual Circuit Connection (VCC) to carry management data. The IPMI-3 has in-band LAN connectivity as a standard feature. If out-of-band LAN connectivity is required, an optional cable can be purchased.

Installing the IPMI-3 card connects you to the Craft User Interface (CUI) via Telnet sessions, allowing you to see your Tellabs 1000 MSA series system as if you were connected to the system locally via DB-9 connector. When used with Tellabs 1000 MSA series Utility Package (AUP), allows software upgrades and database backups remotely. Use the IPMI-3 card with Tellabs® 1090 Network Management System (NMS). Using the IPMI-3 with Tellabs 1090 NMS, the single user GUI NMS, enables on-site use of the CUI DB-9 connector.

The IPMI-3 plug-in card hosts a number of applications, such as Telnet and a Simple Network Management Protocol (SNMP) agent. The IPMI-3 card supports up to ten concurrent TL1 sessions over TCP/IP connections. Only one IPMI-3 card is required per system. Inserted into any one of the general purpose slots in the primary shelf of the local exchange terminal (LET), the IPMI-3 card quickly pays for itself in saved time and resources. Connect with the following interfaces, which can be used independently of one another:

- Telnet session — supports a remote interface to the CPU Craft Interface
- AUP — remote access for upgrades and backups
- SNMP interface — supports Tellabs 1090 Network Management System operations. SNMP is an application layer protocol utilizing the standard Management Information Base (MIB) and a Tellabs 1000 MSA series enterprise MIB. The enterprise MIB has been optimized for performance and security.
- TL1 TCP/IP Interface — provides fault management and narrow-band service provisioning/activation features via TL1 over TCP/IP: the IPMI-3 plug-in card supports up to ten concurrent TL1 sessions over TCP/IP connections

Features and Benefits

Remote access to your craft user interface (CUI). You get the same view you would have if you were physically connected to the equipment at the equipment's location. The IPMI-3 allows in-house monitoring and can significantly reduce the amount of resources expended for trips to customer sites for every alarm and upgrade. Quick access to alarms speeds up identification, isolation, and resolution.

Remote access for AUP (Tellabs 1000 MSA series Utility Package). You can upgrade to the latest software by system or slot. You can remotely perform database backups, scheduled or on-demand, and database restores, reducing the need for modems and on-site visits. Readily available back up information allows for quicker resolution in any crisis. Maintenance from offsite adds a layer of security.

Using an IPMI-3 card also enables remote access with Tellabs 1090 NMS. With a simple point-and-click GUI, the Tellabs 1090 NMS enables human-to-machine interfaces and TL1 is utilized for machine-to-machine operations. The Tellabs NMS supports Fault, Configuration, Performance, and Security (FCAPS) management for the Tellabs 1000 MSA series. TR-08, GR-303, and V.5x provisioning is easy, enabling quick deployments and accelerating time to revenue.

Features and Benefits

On-site access with a single user point-and-click GUI that supports Fault, Configuration, Performance, and Security (FCAPS) management of the Tellabs 1000 MSA series system. Access is either remote or through the DB-9 on the front of the shelf.

- Ability to host an SNMP agent
- Telnet connection to Tellabs 1000 MSA series Craft Interface
- Enables AccessManager, Tellabs NMS
- Single-user NMS
- Conforms to MIB standards
- Supports TL1 over TCP/IP



Specifications

Interface

- In-band IP/ATM
- Out-of-band Ethernet RJ-45

Environmental

- Operating temperature: -32° to +149° F (0 to +65° C)
- Humidity: 5–95% non-condensing
- Maximum power consumption: 2.5 W

Dimensions

- Height: 5.125 in (13.018 cm)
- Width: 0.563 in (1.429 cm)
- Depth: 10.5 in (26.67 cm)

Weight

- 0.5 lb (0.23 kg)
- Status LEDs
- Three LEDs on the IPMI-3 faceplate show card status:
 - A green ACTV LED indicates the plug-in card is active and can communicate properly with the CPU
 - A red FAIL LED indicates that the card has failed or is unable to communicate with the CPU
 - A green SYNC LED indicates an active Telnet session
 - A green ENET LED indicates an Ethernet connection is present

Optional

- USB/RJ-45 cable part number 0410-0288 for front access LAN connectivity

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