

Tellabs® 1000 Multi-Service Access Series Datalink Processor Plug-in Card (DLP)

Overview

The Tellabs 1000 Multi-Service Access Series Datalink Processor (DLP) plug-in card provides Embedded Operations Channel (EOC) and Timeslot Management Channel (TMC) management and software and hardware processing capability for a Telcordia GR-303, 64kbps datalink to the Tellabs 1000 MSA system. For GR-303 operation, the DLP card operates with T-1 transceivers to terminate the GR-303 switch interface groups.

The DLP card is a common control unit used in the Local Exchange Terminal (LET). The DLP unit is installed in any general purpose slot in the primary shelf of the terminal hosting the GR-303 interface. Only one DLP card is required for GR-303 operation and the DLP may also be deployed redundantly for hot standby capability.

The DLP card is software downloadable for future GR-303 feature expansion. For GR-303 operation, this card operates with all Tellabs 1000 MSA transceivers (T-1, E-1, xDSL, fiber and wireless) to terminate the GR-303 switch interface groups.

The DLP with GR-303 supports one to 28 DS-1s, independent of the number of DLP cards in the system. The card supports network configurations in five wide star configurations with 15 terminals in a network.

LED indicators on the DLP faceplate indicate the following:

- A red FAIL — the card is in a failed state and unable to function
- A red FAIL at bootup — DLP is initializing
- A green ACTV/STBY — the DLP card is active and functioning properly
- A flashing green ACTV/STBY — GR-303 group is provisioned and the database is initializing
- A yellow ACTV/STBY — the DLP card is in standby mode
- A flashing yellow ACTV/STBY — no GR-303 groups are provisioned in the system.

Features and Benefits

- GR-303 64-kbps datalink with EOC and TMC
- Software downloadable
- One to 28 DS-1s distributed among up to three discrete GR-303 groups
- One DLP required per Tellabs 1000 MSA system (hot standby option available)

Specifications

Digital Data Ports

- Synchronous RS-232 port: Data rate selectable; data format selectable
- Asynchronous RS-232 port: Data rate selectable
- Asynchronous RS-422 port: Data rate selectable

Environmental

- Operating temperature: 0° to +65° C (32 to + 149° F)
- Humidity: 5–95% non-condensing
- Typical power consumption: 3.4 W

Dimensions

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

Weight

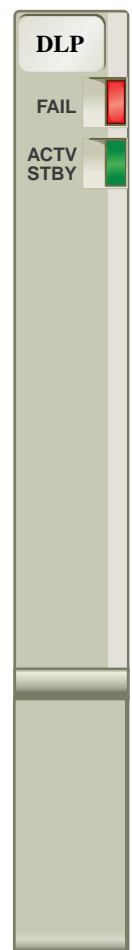
- 0.5 lb (0.23 kg)

Compliance

- TR-TSY-000465

Weight

- 14.4 lbs (6.5 kg) connectorized



Physical

- 26 total slots — 4 integrated common-control, 22 general-purpose

CBA backplane options

- Wire-wrapped or connectorized for RJ21, MS2, or 710

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