SKU: 0101-0069-RCT
Category:

Expansion Bank Control 3+ (EBC-3+)

The Expansion Bank Control 3+ (EBC-3+) card resides in the CPU slot(s) in the CBA expansion shelf, providing the interface to the system for all cards in the expansion shelf. The EBC-3+ card manages the expansion shelf's ATM, Ethernet and TDM backplanes, distributes system commands, and monitors the performance of each installed card. Use two EBC-3+ cards in the expansion shelf for redundancy. The EBC-3+ accesses the ATM cell bus on the expansion shelf backplane to enable broadband services. An expansion shelf is considered broadband-ready when it houses an EBC-3+ card connected to an ELU-3+ card located in the primary shelf.

Features

- •Enables simple system expansion and control for expansion shelves
- •Supports transport of ATM, Ethernet and TDM traffic between shelves
- •Interfaces to an ELU-3+ plug-in card in a primary shelf
- •Generates status updates to the CPU via the ELU plug-in card
- •CRC protection on the expansion link
- •Dual memory support for non-service affecting programming
- •Receives DDS timing from the primary shelf
- •Ability to derive timing reference from expansion shelf and transport it to primary shelf via the ELU plug-in card

Highlights

Scalability

Grow the Tellabs Multi-Service Access Platform (MSAP) with multiple expansion shelves over time while supporting ATM, Ethernet and TDM connectivity. The primary shelf can support up to seven broadband expansion shelves.

High Reliability

Install a minimum of one EBC-3+ and ELU-3 cards plug-in card in the expansion shelf and primary shelf . For redundancy, install an additional EBC-3+ and ELU-3 cards for high network availability configurations.

Fiber Connectivity

The EBC-3+ and ELU-3 cards link via a fiber-optic connection. The expansion bank fibers (EBFs) transport the TDM and ATM data on separate multimode plastic fiber pairs that terminate directly to the EBC-3+ and ELU-3 cards. The EBF fiber connection carrying ATM traffic between the ELU-3 and the EBC-3 operates at 155 Mbps to ensure full, non-blocking access to the transmission facility regardless of the plug-in card types used in the expansion shelf.

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Specifications

Physical

- •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)

Interfaces
- Transmission rate: 155 Mbps (ATM) + 49.125 Mbps (TDM)
- Transmitter: LED
- Receiver: PIN Photodiode
- Coding: NRZI
- Fiber type: Multimode plastic
- Connector type: HP "Versa-Link"

Power Consumption
- Maximum power consumption: 5.45 W
- Typical power consumption: 5.0 W

Environmentals
- Temperature: -40° to +149° F (-40° to +65° C)
- Relative Humidity: 5–95% noncondensing
- Altitude: Up to 10,000 feet

Compliance
- Jitter tolerance: T-1/E-1 1.2/88-OMR, ANSI
- Office composite clock: TA-TSY-000378 Telcordia (Bellcore)
- Synchronization: TA-NPL-000436 Telcordia (Bellcore)

LED Indicators
- FAIL (red)
- ACTV (green)
- SYNC (green)

Management
- Craft User Interface (CUI)
- Tellabs Panorama Element Management System (EMS)

Software Support
- Minimum base software FP16 and higher

Installations
- Supported in Tellabs 1000 CBA

Ordering Information
- EBC-3+: 0101-0069