SKU: 0120-0133
Category: Cards/Units

OC3c Transceiver (OC3c-XCVR)

The Optical Carrier Level 3 Transceiver (OC3c-XCVR) plug-in card has more bandwidth for more revenue generating services and transport. It functions as an uplink to an ATM network and as a high-rate, point-to-point transport between Tellabs 1000 MSAP series terminals. The OC3c-XCVR card is compatible with SONET OC-3c standards per GR 253-CORE. The OC3c-XCVR plug-in card has a 155 Mbps fiber optic interface using Intermediate Range Optics. Both a transmitter and a receiver are on a single card.

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Features

- Provides a full 155 Mbps physical interface on 1310 nm single-mode fiber for its OC3c interface using two fibers - one transmit and one receive
- Functions as a concentrator, an uplink to an ATM network, an inter-terminal transport or an ATM service card
- SONET Automatic Protection Switching (APS) 1+1 enabled when provisioned as an uplink
- GR-253 Intermediate Reach compatible (GR-253-CORE)
- Supports 2048 virtual channel connections
- Dual-memory for non-service affecting programming
- Functions as a concentrator, an uplink to an ATM network, an inter-terminal transport or an ATM service card
- SC Connectors for easy installation

Highlights

Flexible Architecture

Tellabs OC3c-XCVR can functions as a concentrator, an uplink to an ATM network, an inter-terminal transport or an ATM service card within a Tellabs 1000 MSAP system.

High Availability

High network availability is supported with the by equipping a Tellabs 1000 MSAP system with two (2) OC3c-XCVR plug-in cards. This configuration assures system, card level and per port level redundancy.

Low Power and Thermals

The OC3c-XCVR card uses powering and heat dissipation technologies available in the Tellabs 1000 MSAP terminal can operate in any of the shelf's 22 general purpose slots.

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

- Single-mode laser operating at 1310 nm.
- Full-duplex Transmit and Receive
- SC Connectors for easy installation
- PIN receiver

Power Consumption

- Maximum power consumption:
- Typical power consumption:4.9 W

Environmentals

- Temperature:-40° to +158° F (-40° to +70° C)
- Relative Humidity:5-95% noncondensing
- Altitude:Up to 10,000 feet

Compliance

- GR-253-CORE
- ATM UNI 3.0, 3.1, 4.1

General

- Signaling Line coding:Binary Non-Return to Zero (NRZ)
- Signaling Line rate:155.52 Mbps
- Transmitter Min Launched Power:-15dBm
- Transmitter Max Launched Power:-8dBm
- Receiver Sensitivity:-31dBm

LED Indicators

- FAIL (red)
- ACTIVE (green)
- SYNC (green)
- LOC REM (red)

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

- OC3c-XCVR: 0120-0133