



SKU: 0120-0133 **Category**:

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.

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