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