



IOC525 TX/RX TELEPHONE (POTS) OVER FIBER MODULE

FEATURES

- **IOC525TX**
 - ⇒ Connects to telephone line or PBX
 - ⇒ Twisted pair on RJ-11
 - ⇒ Single mode fiber with SC fiber connector
 - ⇒ Remote status via Ethernet
- **IOC525RX**
 - ⇒ Connects to telephone
 - ⇒ Twisted pair on RJ-11
 - ⇒ Single mode fiber with SC fiber connector
 - ⇒ Remote status via Ethernet

OVERVIEW

The IOC525TX/RX phone line converter modules are intended to connect central-office voice grade signals to distant Plain old telephone equipment (POTS) utilizing standard telephone signaling. Both the TX and RX cards are required to implement an end to end system; The IOC525TX connects to a telephone line or PBX and has the ability to detect ringing voltages and to act as a telephone (LINE SIDE FXS). The IOC525RX is the reciprocal unit and has the ability to act as a Central Office and connects to a telephone device (CUSTOMER SIDE FXO).

The AL2873 system utilizing the IOC525TX/RX modules provides: audio transmission, caller ID, and ringing at the distant end. The electrical interface is provided through a RJ-11 female connector. Automatic ring-down is accomplished when two "B" (FXO) units are connected to each other.

SPECIFICATIONS

GENERAL

- Model 2073 Pluggable Interface Module
- Single-mode fiber
- Single slot module (3" x 6" x 0.9")
- Status via Ethernet

ANALOG PORT

- RJ-11 type connector
- 600Ω impedance
- Current: 20 to 100 ma
- Insertion loss 0.0 +/-1.0 dB at 1000 Hz when both ports are terminated at 600Ω

FIBER OPTIC PORT

- Single mode SC
- Min TX power: -15.0 dBm
- Max TX power: -8.0 dBm
- RX sensitivity: -31.0 dBm
- Max input power: -8.0 dBm

ENVIRONMENTAL

- Operating temperature: 0° to 50° C
- Relative humidity: 15% to 95%; non-condensing
- Altitude: Sea level to 10,000 feet