Modular, Managed Four T1 Plus Data Extension Over Fiber

IE-iMcV-T1-Mux/4+Ethernet

PRODUCT FEATURES

- Four independent T1 ports on RJ-48 connectors
- T1 ports can be remotely disabled by user
- AIS generation on signal loss on all T1 and fiber interfaces
- Supports local and remote loopback functions
- One full bandwidth, 10/100BaseT Ethernet port
- Auto Negotiation or forced modes on the Ethernet port
- Supports Jumbo Ethernet frames to 1916 on the ethernet port
- User defined bandwidth limiting on Ethernet port
- Supports the Link Fault Pass-Through Function (LFPT) on the Ethernet port
- Dual SFP fiber ports with 1+1 protection switching
- B8ZS or AMI T1 line code (T1 ports)

The IE-iMcV-T1-Mux/4 is a managed modular media converter, installed as a Host/Remote pair, that transports four independent T1 lines over a single or dual fiber optic line. The module is ideal for applications requiring TDM extension, such as remote office PABX connectivity, with support for a full bandwidth 10/100BaseT Ethernet connection over the same optical link.

The iMcV-T1-Mux/4 detects, Ethernet, T1 and fiber LOS events as well as degraded lines with full LED indications including a Remote Alarm Indicator (RAI) over the fiber link.

Fiber redundancy (1+1) on removable SFP modules offers the enhanced reliability of a protected fiber link while supporting the complete range of optical types and distances. The 1+1 protection system automatically switches to the best fiber line within 50 milliseconds, should one line become impaired or fail.

The IE-iMcV-T1-Mux/4 features an independent serial link (RS-232) which is carried over the same fiber link(s), and can be used for transporting serial traffic from other equipment located at the remote point of presence (POP) back to the central office. The RS-232 console port is useful for local monitoring and configuration of the unit by technical support personnel.

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	T1 PORTS DTE, 120 Ω	ETHERNET PORT	RS-232	RS-232 MINIJACK
* IE-iMcV-T1-Mux/4 + Ethernet							
857-18110	SFP	1 or 2	Various	4 - RJ48	1 - RJ45	1 - RJ45	1

* SFPs Sold Separately

ACCESSORIES

825-39951 - Serial Cable, MiniJack to DB9 (female)

iView: Windows 2000/XP/Vista/Win7

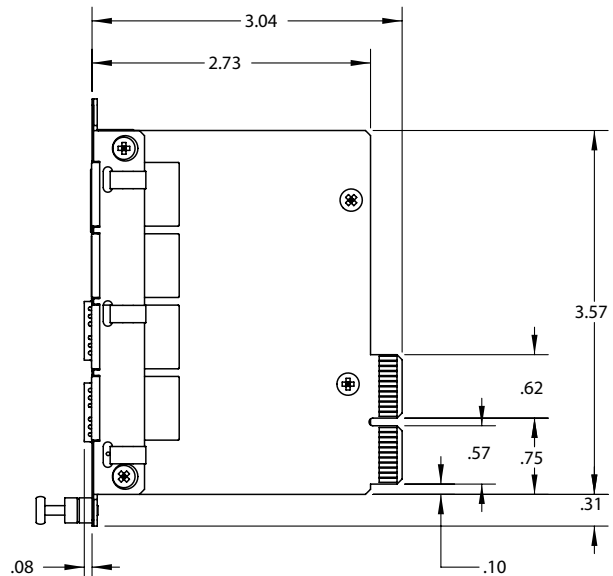# Modular, Managed Four T1 Plus Data Extension Over Fiber
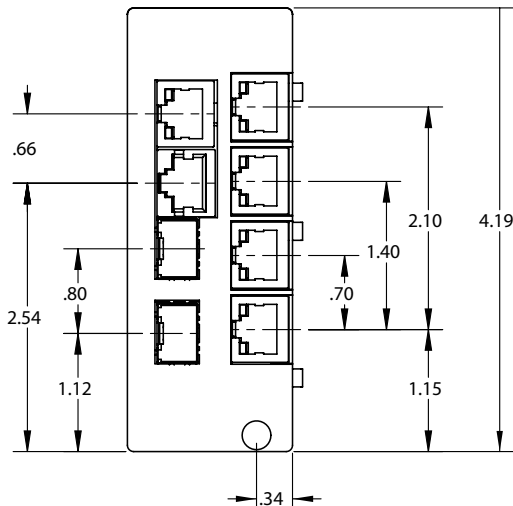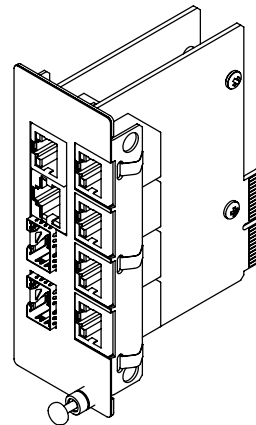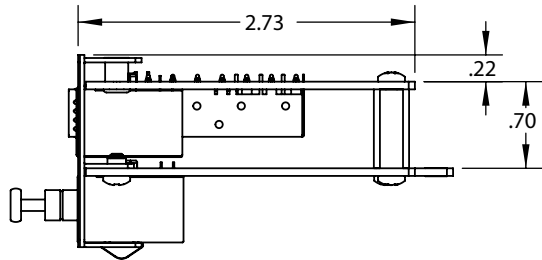
IE-iMcV-T1-Mux/4+Ethernet

SPECIFICATIONS

TECHNICAL

Configured as Host/ Remote pairs (DIP Switch selection)

RoHS-Compliant

Double-wide module for iMediaChassis, MediaChassis and IE-MediaChassis chassis (2 slots required)

SNMP management via the GUI-based iView2 application software

Last Gasp Trap

Local RS-232 Console port

10/100BaseT Full Bandwidth (144,800 fps/FDX)

Two MSA compliant optical SFP slots

Four T1 copper ports

RS-232 (Transparent to 125 Kbps)

MECHANICAL

Dimensions	Double-wide chassis module
Shipping Weight	1.1 lbs. (0.50 kg)

POWER RATING

4.2W Typical 5.5W Max

ENVIRONMENTAL

Operating Temperature:	32° to 160°F (0° to +70°C)
Storage Temperature:	-40° to +160°F (-40° to +70°C)
Operating Humidity	5% to 95% (non-condensing), 0 – 10,000 ft. altitude

REGULATORY APPROVALS

FCC Class B

CE

IEEE-802.3u

ITU-T G.703 (Pulse Shape)

ITU-T G.824 (Jitter)

ITU-T-G.775 (AIS, LOS)

MECHANICAL DIAGRAM

(dimensions in inches)