

# Modular, Managed Four E1 Plus Data Extension Over Fiber

## IE-iMcV-E1-Mux/4+Ethernet (Enhanced)



### PRODUCT FEATURES

- Four independent E1 ports on RJ-48 connectors with surge protection
- AIS generation on signal loss on all E1 and fiber interfaces
- Supports local and remote loopback functions
- Supports the Link Fault Pass-Through Function (LFPT)
- Dual SFP fiber ports with 1+1 protection switching
- One RS-232 interface to support low speed data up to 120 kbps via MiniJack adapter
- Both Host/Remote are managed from the Host unit
- Command Line Interface (CLI) management provided via one MiniJack RS-232 console port
- Remote Graphical User Interface (GUI) management through a managed iMediaChassis
- SNMP Alarm TRAP reporting in managed chassis, including Last Gasp
- Full LED diagnostics on front panel

The IE-iMcV-E1-Mux/4 is a managed modular media converter, installed as a Host/Remote pair, that transports four independent E1 lines over a single or dual fiber optic line plus one 10/100 ethernet port. 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 IE-iMcV-E1-Mux/4 allows for Bandwidth Limiting control in 32 Kbps increments up to 100 Mbps. It also detects Ethernet, AIS, E1 and fiber LOS events as well as degraded lines with full LED indications including a Remote Alarm Indicator (RAI) over the fiber link. E1 ports can also be enabled or disabled via the CLI, Telnet or SNMP management software, allowing the user to perform maintenance on a particular line without affecting others.

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 module also 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	E PORTS	ETHERNET PORT	RS-232	RS-232 MINIJACK
<b>* iMcV-E1-Mux/4+Ethernet (Enhanced)</b>							
857-18111	SFP	1 or 2	Various	4 - RJ48	1 - RJ45	1 - RJ45	1
<b>* iMcV-E1-Mux/4+Ethernet</b>							
857-14400	SFP	1 or 2	Various	4 - RJ48	1 - RJ45	1 - RJ45	1
<b>* IE-iMcV-E1-Mux/4+Ethernet</b>							
857-18400	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

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## SPECIFICATIONS

### TECHNICAL

2 x MSA compliant optical SFP slots

4 x E1 (RJ-48) copper ports

Local RS-232 Console port

RS-232 transparent to 120 Kbps

IEEE 802.3x Flow Control

IEEE 802.3i 10Base-T twisted pair

IEEE 802.3u 100Base-TX twisted pair

IEEE 802.3u 100Base-FX or SX fiber

ITU G.775

GR-820-CORE

Supports over-sized packets up to 1916 bytes per packet

Configurable as Host/ Remote pairs (DIP Switch selection)

SNMP management via GUI-based iView2 application software

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

RoHS compliant

Last Gasp Trap

### MECHANICAL

Dimensions Double-wide chassis module

Shipping Weight 1.1 lbs. (0.50 kg)

### POWER CONSUMPTION

0.96A @ +5 VDC

### ENVIRONMENTAL

Operating Temperature: -40°F to 158°F (-40°C to +70°C)

Storage Temperature: -40°F to 158°F (-40°C to +70°C)

Operating Humidity 5% to 95% (non-condensing),  
0 – 10,000 ft. altitude

### REGULATORY APPROVALS

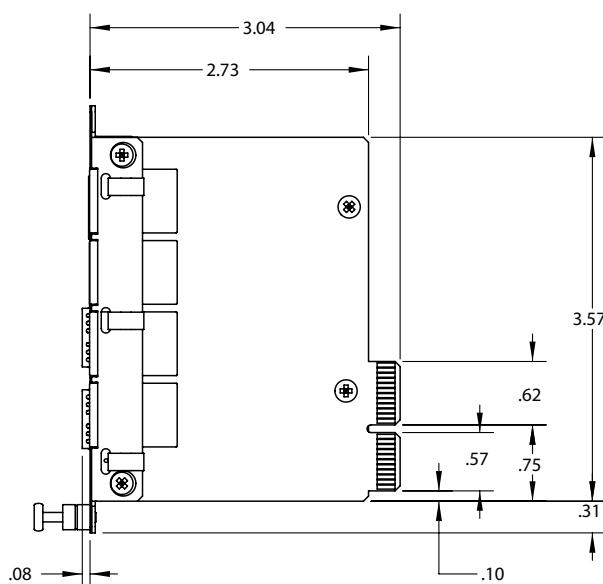
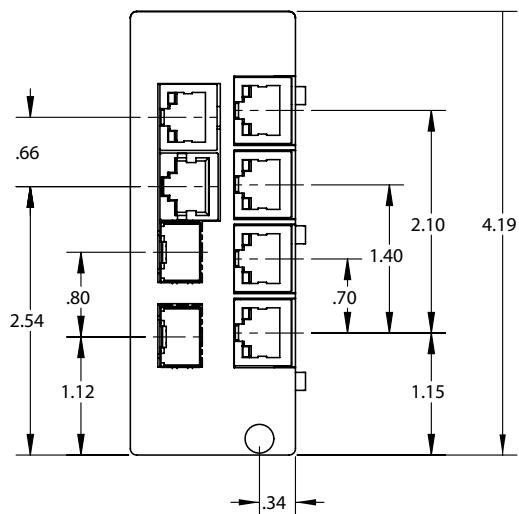
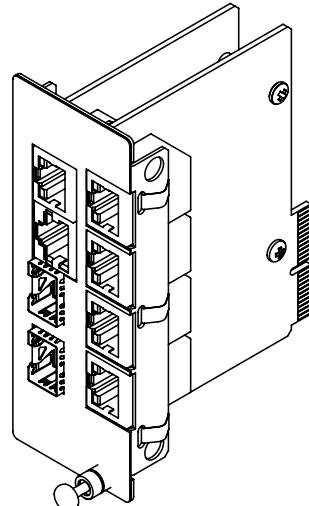
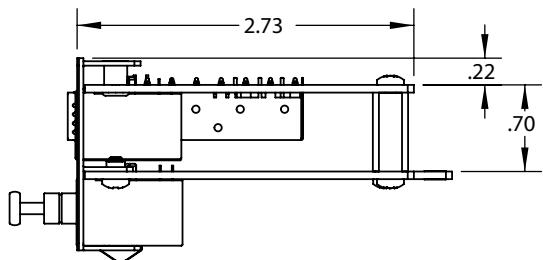
IEEE-802.3u

ITU G.775 (AIS, LOS)

GR-820-CORE

## MECHANICAL DIAGRAM

(dimensions in inches)



# Mouser Electronics

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