

# Modular, Managed Four T1 Plus Data Extension Over Fiber

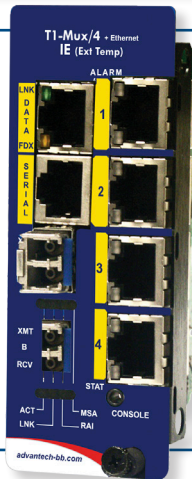
IE-iMcV-T1-Mux/4+Ethernet

**B+B SMARTWORX**

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## 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 |
|------------------------------------|-------|-------------|---------|---------------------|---------------|----------|-----------------|
| <b>IE-iMcV-T1-Mux/4 + Ethernet</b> |       |             |         |                     |               |          |                 |
| <b>857-18110</b>                   | SFP*  | 1 or 2      | Various | 4 - RJ48            | 1 - RJ48      | 1 - RJ45 | 1               |

\* Not compatible with B+B Smartworx 100 Mbps Models SFP 808-381xx.

## ACCESSORIES

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



iView: Websver Version  
Free Download

All product specifications are subject to change without notice.

IE-iMcV-T1-Mux/4+Ethernet\_2817ds

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## 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)  |               |
| <b>MEANTIME BEFORE FAILURE (MTBF)</b>   |               |
| MTBF  | 732,333 hours |

### MECHANICAL

|                             |  |
|-----------------------------|--|
| Dimensions                  | Double-wide chassis module                             |
| Shipping Weight             | 1.1 lbs. (0.50 kg)                                     |
| <b>POWER RATING</b>         |  |
| 4.2W Typical 5.5W Max       |  |
| <b>ENVIRONMENTAL</b>        |  |
| 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),<br>0 – 10,000 ft. altitude |
| <b>REGULATORY APPROVALS</b> |  |
| 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)

