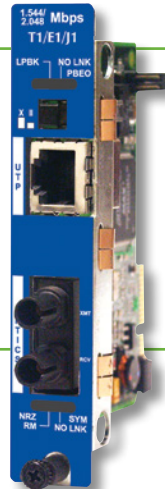


# T1/E1/J1 Media Converter

## iMcV-T1/E1/J1 Repeater



### PRODUCT FEATURES

- Operates at (T1/J1 1.544 Mbps) and (E1 2.048 Mbps)
- Conduct Loopback tests, monitor/manage units via GUI-based iView2
- Remote unit supports secure, out-of-band management
- Available for multi-mode, single-mode, or single-strand fiber
- Supports fiber and copper remote loopback control
- Layer 1 modules
- LED display for monitoring of line diagnostics

SNMP-manageable, the iMcV-T1/E1/J1 converter series of modules extend 1.544 Mbps T1/J1 and 2.048 Mbps E1 copper-based PBX, router and switch circuits over regular duplex fiber or single-strand fiber optics. Supporting fiber distances of up to 80 km, the iMcV-T1/E1/J1 series of converters include built-in jitter removal, line integrity testing, diagnostic tools (Loopback mode and Transmit Data Source) and remote management features.

Select from the iMcV-T1/E1/J1, offering standard repeater-like functionality, or the IE-iMcV-T1/E1/J1-LineTerm which incorporates advanced features such as Line Terminating functionality and config control, support for both Alarm Indication Signals (AIS) and Remote Alarm Indications (RAI).

Both versions are installed as a HOST-REMOTE pair and can be remotely managed when the HOST is installed in an iMediaChassis with an SNMP-Management Module. This enables network managers to conduct loopback testing, to monitor, and to manage units located up to 80 km away.

### ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
<b>iMcV-T1/E1/J1 Repeater</b>					
850-14198	MM850-ST	1	2 km	1	RJ48
850-14199	MM850-SC	1	2 km	1	RJ48
850-14200	MM1300-ST	1	5 km	1	RJ48
850-14201	MM1300-SC	1	5 km	1	RJ48
850-14202	SM1310/PLUS-ST	1	40 km	1	RJ48
850-14203	SM1310/PLUS-SC	1	40 km	1	RJ48
850-14204	SM1310/LONG-ST	1	80 km	1	RJ48
850-14205	SM1310/LONG-SC	1	80 km	1	RJ48
850-14206	SM1550/LONG-SC	1	80 km	1	RJ48
<b>SINGLE STRAND FIBER *</b>					
850-14288	MM1310-SC (1310xmt/1550rcv)	1	2 km	1	RJ48
850-14289	MM1550-SC (1550xmt/1310rcv)	1	2 km	1	RJ48
850-14290	SM1310-SC (1310xmt/1550rcv)	1	20 km	1	RJ48
850-14291	SM1550-SC (1550xmt/1310rcv)	1	20 km	1	RJ48
850-14292	SM1310/PLUS-SC (1310xmt/1550rcv)	1	40 km	1	RJ48
850-14293	SM1550/PLUS-SC (1550xmt/1310rcv)	1	40 km	1	RJ48
850-14294	SM1310/LONG-SC (1310xmt/1550rcv)	1	60 km	1	RJ48
850-14295	SM1550/LONG-SC (1550xmt/1310rcv)	1	60 km	1	RJ48

\* These products have single-strand fiber technology. Deploy in pairs or connect another compatible B&B IMC LLC single-strand fiber product.

**iMcV-T1/E1/J1 also available in CWDM Fiber.**  
Call for details.



iView: Windows 2000/XP/Vista/Win7

# T1/E1/J1 Media Converter

## iMcV-T1/E1/J1 Repeater



### SPECIFICATIONS

#### TECHNICAL

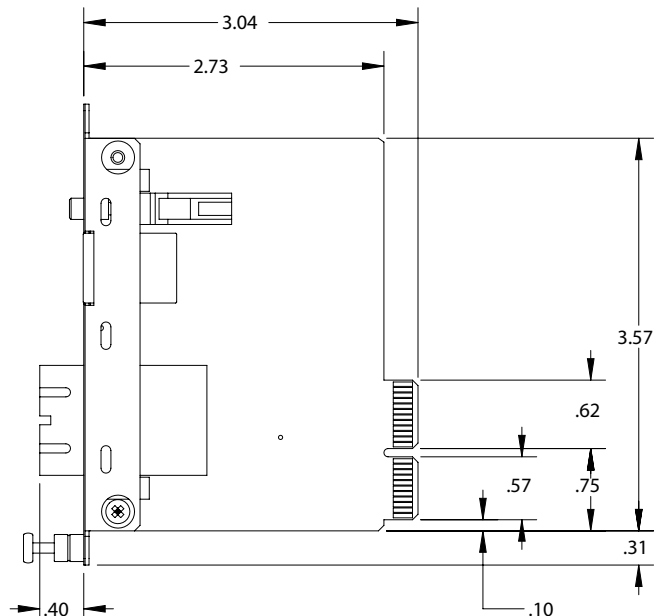
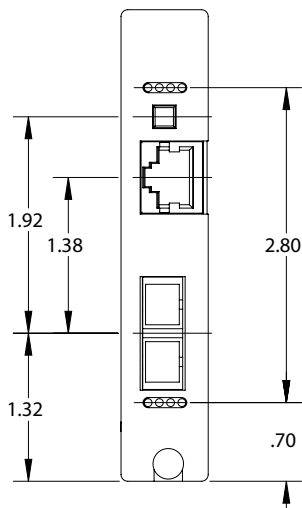
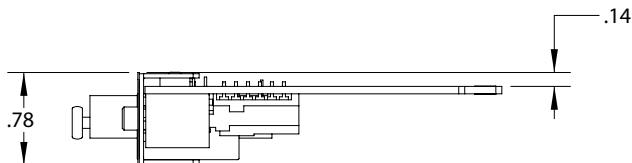
- Protocol-Selectable — Operates at T1/J1 (1.544 Mbps) and E1 (2.048 Mbps) protocols
- Supports Alarm Indication Signals (AIS)
- Internal Test Head Function (PRBS, 1/0, All 1's)
- Ability to manage remote unit from host end
- Supports fiber and copper Loopback
- Selectable line buildout (0 - 655 ft.)
- Includes DTE/DCE switch on converter
- Installs in any iMediaChassis or MediaChassis chassis\*
- Supports GUI-Based iView<sup>2</sup>
- CSU Line Gain (7.5, 15, 22.5 db)
- Monitor Boost (20, 26, 32 db)
- Supports secondary line protection
- 50/125µm or 62.5/125µm multi-mode fiber
- 9/125µm single-mode fiber
- Available for single-strand fiber
- Connectors: RJ-48 and ST, SC

#### STANDARDS COMPLIANCE:

- ANSI T1.102-1993
- ANSI T1.107-1995
- GR-820-CORE

### MECHANICAL DIAGRAM

(dimensions in inches & millimeters)



#### MECHANICAL

- Dimensions 4.19"H x 0.78"W x 2.75"D (10.74 x 2 x 7.05 cm)
- Shipping Weight 0.30 lbs (0.11 kg)

#### POWER

0.55A @ 5V (Typical)

#### ENVIRONMENTAL

- Operating Temperature: +32° to +122° F (0° to +50° C)
- Storage Temperature: -13° to +158° F (-25° to +70° C)
- Operating Humidity 5% to 95% (non-condensing), 0 - 10,000 ft. altitude

#### REGULATORY APPROVALS

- FCC Class A
- UL/cUL
- CSA
- CE

