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

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>FIBER</th>
<th>FIBER PORTS</th>
<th>RANGE</th>
<th>ETHERNET PORTS</th>
<th>ETHERNET CONNECTOR</th>
</tr>
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<tbody>
<tr>
<td>iMcv-T1/E1/J1 Repeater</td>
<td>MM850-ST</td>
<td>1</td>
<td>2 km</td>
<td>1</td>
<td>RJ48</td>
</tr>
<tr>
<td>850-14199</td>
<td>MM850-SC</td>
<td>1</td>
<td>2 km</td>
<td>1</td>
<td>RJ48</td>
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<tr>
<td>850-14200</td>
<td>MM1300-ST</td>
<td>1</td>
<td>5 km</td>
<td>1</td>
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<tr>
<td>850-14201</td>
<td>MM1300-SC</td>
<td>1</td>
<td>5 km</td>
<td>1</td>
<td>RJ48</td>
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<tr>
<td>850-14202</td>
<td>SM1310/PLUS-ST</td>
<td>1</td>
<td>40 km</td>
<td>1</td>
<td>RJ48</td>
</tr>
<tr>
<td>850-14203</td>
<td>SM1310/PLUS-SC</td>
<td>1</td>
<td>40 km</td>
<td>1</td>
<td>RJ48</td>
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<tr>
<td>850-14204</td>
<td>SM1310/LONG-ST</td>
<td>1</td>
<td>80 km</td>
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<td>RJ48</td>
</tr>
<tr>
<td>850-14205</td>
<td>SM1310/LONG-SC</td>
<td>1</td>
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<td>1</td>
<td>RJ48</td>
</tr>
<tr>
<td>850-14206</td>
<td>SM1550/LONG-SC</td>
<td>1</td>
<td>80 km</td>
<td>1</td>
<td>RJ48</td>
</tr>
</tbody>
</table>

SINGLE STRAND FIBER *

| 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 iView²
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
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 +185° 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

MECHANICAL DIAGRAM
(dimensions in inches & millimeters)