

# DS3/E3 Repeaters with Remote Management

iMcV-DS3/E3/STS LineTerm



## PRODUCT FEATURES

- Operates at 45 Mbps (DS3), 34 Mbps (E3) or 52 Mbps (STS-1)
- Conduct Loopback tests, monitor/manage units via GUI-based iView2
- Remote unit supports secure, out-of-band management
- Available for multi-mode, single-mode fiber, and single-strand fiber
- Layer 1 modules
- PRBS test patterns
- Supports "Telco" features, including Alarm Indication Signals (AIS)
- LED Line Diagnostics

iMcV-DS3/E3/STS converters are perfect for service providers and enterprise campus networks utilizing DS3/E3/STS coaxial circuits. The modules enable users to convert coax media to single-mode fiber and extend the distance of data transmissions over MAN access networks up to 80 km. The modules support premises networking applications to convert the incoming circuit to fiber for distribution into the structured cabling system.

The Line Term modules include standards compliant for Alarm Indication Signals (AIS) for signal loss condition propagation, and are Layer 1 modules.

The LineTerm modules 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. Since B&B Electronics' management technology functions transparently to the user data, real-time, end-to-end management is provided at all times.



iView: Windows 2000/XP/Vista/Win7

## ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	BNC PORTS
<b>iMcV-DS3/E3/STS LineTerm</b>				
850-14438	MM850-ST	1	2 km	2
850-14439	MM850-SC	1	2 km	2
850-14400	MM1300-ST	1	5 km	2
850-14401	MM1300-SC	1	5 km	2
850-14402	SM1310/PLUS-ST	1	40 km	2
850-14403	SM1310/PLUS-SC	1	40 km	2
850-14404	SM1310/LONG-ST	1	80 km	2
850-14405	SM1310/LONG-SC	1	80 km	2
850-14406	SM1550/LONG-SC	1	80 km	2
<b>SINGLE STRAND FIBER *</b>				
850-14410	SSFX-SM1310-SC (1310xmt/1550rcv)	1	20 km	2
850-14411	SSFX-SM1550-SC (1550xmt/1310rcv)	1	20 km	2
850-14412	SSFX-SM1310/PLUS-SC (1310xmt/1550rcv)	1	40 km	2
850-14413	SSFX-SM1550/PLUS-SC (1550xmt/1310rcv)	1	40 km	2
850-14414	SSFX-SM1310/LONG-SC (1310xmt/1550rcv)	1	60 km	2
850-14415	SSFX-SM1550/LONG-SC (1550xmt/1310rcv)	1	60 km	2

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

**iMcV-DS3/E3/STS also available in CWDM Fiber.**  
Call for details.

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## SPECIFICATIONS

### TECHNICAL

Protocol-Selectable — Operates at DS3 (45 Mbps), E3 (34 Mbps) or STS-1 (52 Mbps) protocols

Ability to manage remote unit

Two types of loopback tests

Full bit rate for customer traffic

Jitter attenuation

Line build out

Installs in iMediaChassis or MediaChassis chassis\*

Supports GUI-Based iView<sup>2</sup>

50/125µm or 62.5/125µm multi-mode fiber

9/125µm single-mode fiber

Available for single-strand fiber

### 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)

### 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

CE

## MECHANICAL DIAGRAM

(dimensions in inches & millimeters)

