

DS3/E3/STS Line Terminating Modules - with Remote Management

iMcV-DS3/E3/STS LineTerm

B+B SMARTWORX

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ADVANTECH

www.advantech-bb.com



PRODUCT FEATURES

- Operates at 45 Mbps (DS3), 34 Mbps (E3) or 52 Mbps (STS-1)
- Conduct loopback tests, monitor/manage units
- 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 TDM 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 compliancy for Alarm Indication Signals (AIS) for signal loss condition propagation, and are Layer 1 modules. Additional alarms allow the administrator to easily troubleshoot line noise and other problems.

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 60 km away. Since B+B SmartWorx' management technology functions transparently to the user data, real-time, end-to-end management is provided at all times.

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	BNC PORTS
iMcV-DS3/E3/STS LineTerm				
850-14401	MM1300-SC	1	5 km	2
850-14403	SM1310/PLUS-SC	1	40 km	2
SINGLE STRAND FIBER *				
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 SmartWorx LLC single-strand fiber product.



iView2: Webserver version
Free Download

All product specifications are subject to change without notice.
iMcV-DS3/ES/STS LineTerm_1217ds

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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 Webserver-based iView²
 50/125µm or 62.5/125µm multi-mode fiber
 9/125µm single-mode fiber
 Available for single-strand fiber

MECHANICAL

Dimensions 4.19H x 0.78W x 2.75D inches
 (107.4H x 20.0W x 70.5D mm)
 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

RMEANTIME BEFORE FAILURE (MTBF)

MTBF 433,422 hours

MECHANICAL DIAGRAM

(dimensions in inches)

