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

iMcV-DS3/E3/STS LineTerm

B+B SMARTWORX

Powered by **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 coaxial media to single-mode fiber and extend the distance of data transmissions over MAN access networks up to 40 km. The modules support premises networking applications to convert the incoming circuit to fiber for distribution into the structured cabling system.

These 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.

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 (available from B+B SmartWorx). This enables network managers to conduct loopback testing, monitor and manage units up to 40 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.
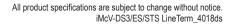
ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	BNC PORTS
iMcV-DS3/E3/STS LineTerm				
BB-850-14403	SM1310/PLUS-SC	1	40 km	2
SINGLE STRAND FIBER *				
BB-850-14412	SSFX-SM1310/PLUS-SC (1310xmt/1550rcv)	1	40 km	2
BB-850-14413	SSFX-SM1550/PLUS-SC (1550xmt/1310rcv)	1	40 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

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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 B+B SmartWorx iMediaChassis or MediaChassis units
Supports Webserver-based iView[2]
50/125µm or 62.5/125µm multi-mode fiber
9/125µm single-mode fiber
Available for single-strand fiber

MECHANICAL	
Dimensions	107.4h x 19.3w x 70.5d mm (4.19h x 0.76w x 2.75d in)
Shipping Weight	0.11 kg (0.30 lb)
ENVIRONMENTAL	
Operating Temperature	0 to +50 °C (+32 to +122 °F)
Storage Temperature	-25 to +70 °C (-13 to +158 °F)
Operating Humidity	5 to 95% (non-condensing), 0 – 10000 ft. altitude
REGULATORY APPROVALS	
FCC Class B	
CE – Directives	2014/30/EU – Electromagnetic Compatibility Directive 2011/65/EU – Reduction of Hazardous Substances Directive (RoHS) 2012/19/EU – Waste Electrical and Electronic Equipment (WEEE)
CE – Standards	**EMC:** EN 55032 Class B – Electromagnetic Compatibility of Multimedia Equipment – Emission Requirements EN 55024 – Information Technology Equipment – Immunity Characteristics – Limits and Methods of Measurement
MEANTIME BEFORE FAILURE (MTBF)	
MTBF	433422 hours
MTBF Calculation Method	MIL217F Parts Count Reliability Prediction

MECHANICAL DIAGRAM

Dimensions = inches