DS3/E3/STS Line Terminating Modules - 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
- · 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.

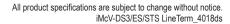


iView2: Webserver version Free Download

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.





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- with Remote Management

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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 | | | |
| | 2014/30/EU – Electromagnetic Compatibility Directive | | |
| CE – Directives | 2011/65/EU – Reduction of Hazardous Substances Directive (RoHS) | | |
| | 2012/19/EU – Waste Electrical and Electronic Equipment (WEEE) | | |
| | EMC: | | |
| CE – Standards | 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

