Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

PRODUCT FEATURES

- Operates at (T1/J1 1.544 Mbps) and (E1 2.048 Mbps)
- Conduct loopback tests, monitor/manage units via GUI-based iView2
- Remote unit supports secure, out-of-band management
- Available for multi-mode, single-mode or single-strand fiber
- Layer 1 modules
- Supports fiber and copper remote loopback control
- Transmit Data Source diagnostic tool sends data as unframed all ones, a pattern of alternating ones and zeros, or a Pseudorandom Bit Sequence (PRBS) - a built-in PRBS signal detector makes testing even easier.
- Supports Configuration Control, making SNMP management easy

SNMP-manageable, the IE-McV-T1/E1/J1 converter series of modules extends 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 up to 80 km, the IE-McV-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.

The IE-iMcV-T1/E1/J1 LineTerm incorporates advanced features, such as line terminating functionality and configuration control, support for both Alarm Indication Signals (AIS) and Remote Alarm Indications (RAI). Modules offer fixed fiber as well as SFP fiber ports, allowing for flexibility of covering any distance required for the circuit.

The modules must be 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

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
IE-iMcV-T1/E1/J1-LineTerm, With Config Control TP/SFP *					
850-18100	SFP	1	Various	1	RJ48
IE-iMcV-T1/E1/J1 Line Terminating with Config Control					
850-18103	MM1300-ST	1	5 km	1	RJ48
850-18104	MM1300-SC	1	5 km	1	RJ48
850-18105	SM1310/PLUS-ST	1	40 km	1	RJ48
850-18106	SM1310/PLUS-SC	1	40 km	1	RJ48
* 850-18108	SM1310/LONG-SC	1	80 km	1	RJ48
SINGLE STRAND FIBER **					
850-18122	SM1310-SC (1310xmt/1550rcv)	1	20 km	1	RJ48
850-18123	SM1550-SC (1550xmt/1310rcv)	1	20 km	1	RJ48
850-18124	SM1310/PLUS-SC (1310xmt/1550rcv)	1	40 km	1	RJ48
850-18125	SM1550/PLUS-SC (1550xmt/1310rcv)	1	40 km	1	RJ48

* Certified at 40 km, 80 km is achievable.

** SFP fibers sold separately - available at www.advantech-bb.com

iView2: Webserver version, available for download from website.

All product specifications are subject to change without notice.
IE-IMcV-T1/E1/J1 LineTerm_1017ds

B+B SMARTWORX
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TDM Media Converter
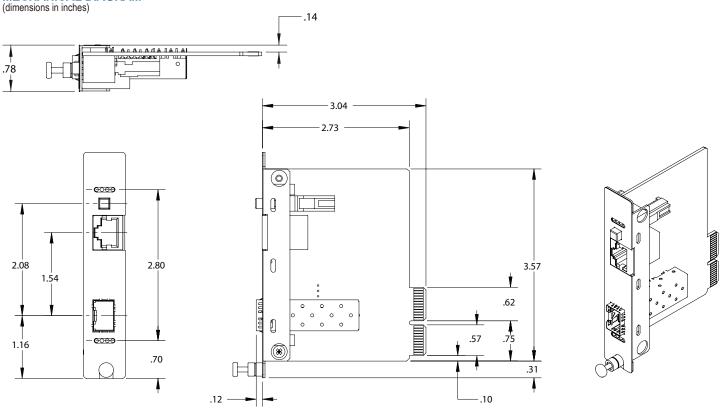## IE-iMcV-T1/E1/J1 LineTerm

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	4.19H x 0.78W x 2.75D, inches (10.74H x 2.0W x 7.05D, 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 +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
CSA
CE

MEANTIME BETWEEN FAILURE	
Meantime Between Failure (MTBF)	2,000,000 hours

MECHANICAL DIAGRAM
(dimensions in inches)

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