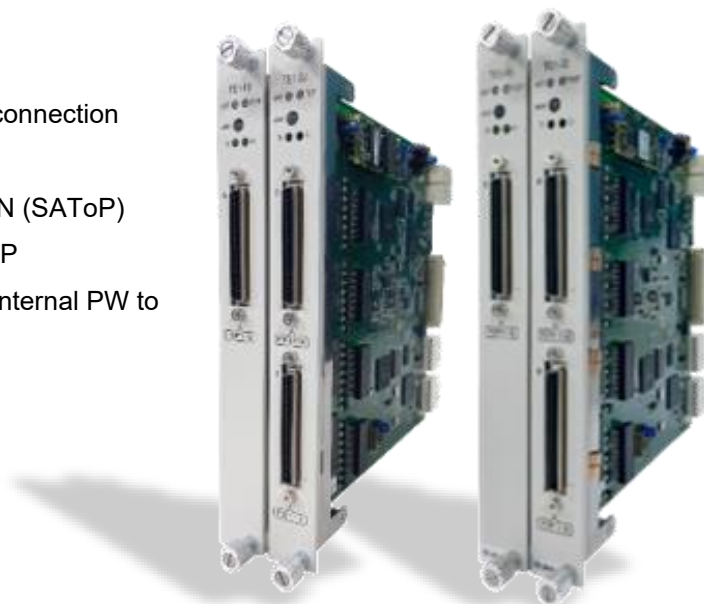


TE1 Interface Card for HX9800

Features

- 16 or 32 E1/T1 ports with SCSI (68 pin) connection
- 120 or 75 ohm option for E1
- Supports Unframed E1/T1 CEM over PSN (SAToP)
- PWE3 Encapsulation over MEF8/MPLS/IP
- Emulated XC (Cross-Connection) using internal PW to STM-N/OC-N/T3-M13
- 1 Gbps Backplane for Slots S1~S10
- Software upgradable
- Hot-swappable
- RoHS compliant



Description

The hot-swappable TE1 plug-in module is designed for the HX9800 to provide 16 or 32 unframed E1 or T1 ports depending on configuration. The card supports E1/T1 PWE3 with SAToP emulation. This card is used to transport unframed TDM (time division multiplexed) traffic over IP network in addition to normal Ethernet traffic. Additionally, 120 or 75 ohm options are available for E1

Ordering Information

Note 1: RoHS compliant units are identified by the letter **G** appearing at the end of ordering code.

Note 2: Before purchasing, please check the HX9800 main brochure to see if the following models are supported by the controller to be used with.

Model	Description	Notes
Main Unit		
HX9800-TE1-16-LoSW1-a-G	16-port T1 or 16-port E1(120 ohm) software programmable plug-in module with 1 x SCSI connector, supporting Unframed T1/E1 Circuit Emulation over PSN (SAToP) for Line to Switch.	Please order separately for conversion panels and cables listed in below tables.
HX9800-TE1-32-LoSW1-a-G	32-port T1 or 32-port E1(120 ohm) software programmable plug-in module with 2 x SCSI connectors, supporting Unframed T1/E1 Circuit Emulation over PSN (SAToP) for Line to Switch.	Please order separately for conversion panels and cables listed in below tables.
HX9800-TE1-16-75-LoSW1-a-G	16-port E1(75 ohm) plug-in module with 1 x SCSI connector, supporting Unframed E1 Circuit Emulation over PSN (SAToP) for Line to Switch.	Please order separately for conversion panels and cables listed in below tables.
HX9800-TE1-32-75-LoSW1-a-G	32-port E1(75 ohm) plug-in module with 2 x SCSI connectors, supporting Unframed E1 Circuit Emulation over PSN (SAToP) for Line to Switch.	Please order separately for conversion panels and cables listed in below tables.

Accessories		
Conversion Panels		
CXR-ACC-P-1SCSI-16RJ-G	16-port 1u panel for one SCSI to 16 RJ connectors without cable 432x44x23mm (WxHxD)	Order One for HX9800-TE1-16-LoSW1-G Order Two for HX9800-TE1-32-LoSW1-G Please order Conversion Cable separately for connection between card and Conversion Panel.
CXR-ACC-P-1SCSI-16WW-G	16-port 1u panel for one SCSI to 16 Wire Wrap connectors without cable 432x44x40mm (WxHxD)	
CXR-ACC-P-1SCSI-16BNC-G	16-port 1u panel for one SCSI to 16 BNC connectors without cable 432x66x53mm	Order One for HX9800-TE1-16-75-LoSW1-a-G Order Two for HX9800-TE1-32-75-LoSW1-a-G Please order Conversion Cable separately for connection between card and Conversion Panel.
Conversion Cable		
CXR-ACC-CAB-SCSI68M-200-1SCSI68M	SCSI68/ Male to one SCSI68/Male; Length 200 cm cable for connection between card and Conversion Panel.	Used for all Conversion Panels

Product Specifications for TE1-16/32 Interface Cards

E1 Interface

Line Rate	2.048 Mbps $\pm$ 50 ppm	Jitter	ITU G.823
Line Code	AMI/HDB3	Framing	Unframed
Input Signal	ITU G.703	Impedance	120 ohm twisted pair, or 75 ohm twisted pair
Output Signal	ITU G.703	Connector	SCSI-II 68-pin One connector for 16 ports, or Two connectors for 32 ports

T1 Interface

Line Rate	1.544Mbps $\pm$ 32ppm	Jitter	ITU G.824
Line Code	AMI/B8ZS	Framing	Unframed
Input Signal	ITU G.703 DSX-1 0dB to -6dB	Impedance	100 ohm twisted pair
Output Mask	Bellcore GR-499-core	Connector	SCSI-II 68-pin One connector for 16 ports, or Two connectors for 32 ports



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