

E1 TO BASE – T PROTOCOL CONVERTER

MODEL TPC 3010



INTRODUCTION

Telenet's TPC 3010 Protocol Converter is a high performance, remote, self-learning Ethernet Bridge. Its compact size and low cost make it ideal for cost-sensitive bridging applications or as a LAN extender over bit stream type infrastructures. Its E1 data interface also provides an economical digital access solution for E1 and Fractional E1 network Services, which can work at data rates of 64Kbps to 2048Kbps. User data is placed into the E1 frame, using only the required number of timeslots. Timeslot assignment is accomplished according to the Data Port speed and manual setting of DIP switches. The main E1 link may be clocked from the recovered receive clock or from an internal oscillator. For easy to check the fault of network line, the device provides loop selection, both local loop and remote loop.

FEATURES

- High performance bridge for 10Base-T Ethernet extension
- Fully compatible with IEEE 802.3 and Ethernet Standards
- E1 channel with both framed & unframed, both 75 & 120ohm
- Ethernet Port 10Mbps, Full/Half Duplex Mode compatible
- Ethernet ports support MDI/MDI-X selection able
- Allow transmitting and receiving VLAN data packet
- 15000 frames per second filtering and forwarding rate
- 1000 MAC address LAN table, and automatic LAN table learning and aging.
- Standalone and Module optional
- Power of Chassis 2 Slots for slide in power supplier module, AC or DC power supplier module, Redundant Power supported
- AC220V+-20% or DC-48V power input

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SPECIFICATIONS

LAN port	
Standard	Conforms to IEEE802.3 / 10Base-T Ethernet
Data rate	10Mbps (20Mbps/10Base-T in Full duplex topology) Compatible on Full/Half duplex topology
Connectors	RJ-45 Connector
Transfer distance	150m

E1 port	
Standard	ITU G.703, G.704
Jitter Performance	According to ITU G.823
Bit rate	N*64Kbps, N=1~31 (Fractional Mode) or 2.048Mbps(Full Mode)
Line Code	HDB3
Line Impedance	75/120ohms optional
Pulse Amplitude	Nominal 2.37V+-10%

GENERAL	
Voltage	AC 220V+-20%or DC -48V
Power Consumption	3 Watts
Temperature	0-50C
Humidity	0-90%(non-condensing)
Size	(Width from left to right)
Standalone	272mm(Width)*139mm(Deep)*41mm(High)
Chassis	438mm(Width)*252mm*Deep)*178mm(High)

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