

# Tahoe 284

G.703 (framed and unframed) / 10/100Base-T Ethernet Managed Converter (bridge)



Tahoe 284 allows connecting two LANs through an E1 line using selected timeslots.

Works as a transparent bridge and may be an economical alternative to a fully featured router in applications, where management through TCP/IP network or traffic control is not necessary. Nevertheless management is still possible using serial console or built-in LCD and keyboard.

G.703 interface works in unframed or framed mode. In the latter case any combination of timeslots may be used and throughput ranging from 64 to 1984 kbps may be achieved. In the unframed mode, user has access to whole 2048 kbps stream.

## Throughput

64-2048 kbps

## WAN Interface

- G.703
- framed or unframed
- balanced 120  $\Omega$
- HDB3 coding
- CRC4 support
- transmission using any combination of timeslots

## LAN Interface

Ethernet 10/100 Base-T  
802.1q VLAN support

## Features

- management using built-in LCD and keyboard
- management using RS232 serial console
- manual or automatic 10/100 Base-T link negotiation
- G.703 link state monitoring
- WAN and LAN activity LEDs
- test loopbacks
- measurement of inside temperature

## Technical Details:

Processor	ARM + PIC
Memory	8MB SDRAM
MAC Table	10.000 entries automatic address learning and removal after 30s or 300s
G.703 Port Range (distance between converter and E1 line terminating device)	up to 2000m
G.703 Interface	RJ-45 (balanced 120 $\Omega$ )
WAN Protocol	HDLC
Dimensions	200 mm (width) x 130 mm (length) x 45 mm (height)
Power Supply	external 100-240VAC/50-60Hz power supply included  optional 48 VDC power supply