

TELINDUS INTERFACE MODULES



FEATURES & BENEFITS

- > MODULAR INTERFACES FOR THE 106X AND 24XX ROUTER RANGE
- > FOR WAN OR LAN CONNECTIONS

MULTIPLE E1 TIM

Connectivity

- > Connector: 6x RJ45, DTE
- > Electrical: 8x G.703, 120 Ohm

Supported WAN encapsulation protocols

- > Frame-Relay & Multilink Frame-Relay (up to 8 ports)
- > PPP & Multilink PPP (up to 8 ports)
- > ATM & ATM IMA (up to 6 ports)

Indications

- > Status LED per port

Testloops

- > Internal loop-back per interface
- > External loop-back per interface

E3 TIM

Connectivity

- > Single E3 port
- > Connectors: BNC (1.6/5.6 on request)
- > Electrical: G.703, 75 Ohm
- > Speed: 34 Mbps

Supported WAN encapsulation protocols

- > ATM

Indications

- > Status
- > Test

Testloops

- > Internal loop-back
- > External loop-back

STM1 TIM

Onboard UTP

- > Connector: RJ45
- > Speed: 155 Mbps (STM1)

SFP fibre interface slots

- > Number of SFP fibre interface slots:2
- > SFF-8472 MSA compliant
- > Point-to-point fibre optic backup functionality
- > Speed: 155 Mbps (STM1)

Available SFP fibre interface modules

- > Dual fibre 850 nm, multimode short haul, typ. 2 km
- > Dual fibre 1310nm, single mode medium haul, typ. 40km
- > Single fibre 1310-1550nm, single mode medium haul, typ. 15km

Supported WAN encapsulation protocols

- > ATM

Indications

- > Status
- > Test

ETHERNET SWITCH TIM

LAN interface

- > Number of interfaces: 4
- > Built-in Ethernet Switch
- > Compliant with IEEE 802.3 10Mbps HDX/FDX Ethernet
- > Compliant with IEEE 802.3u 100Mbps HDX/FDX Ethernet
- > 10/100Mbps auto-sense
- > Auto cross-over
- > RJ45 Unshielded Twisted Pair (UTP)

Indications

- > Status per port

SALES CODES

- > 181312 TIM 6E1 IMA
- > 181310 TIM E3/T3 BNC
- > 181309 TIM STM1 BU
- > 181308 TIM 4P 100BASE TX
- > 188295 SFP13 DUAL FIBRE MM-SH
- > 188296 SFP13 DUAL FIBRE SM-MH
- > 188297 SFP13-15 SINGLE FIBRE SM-MH
- > 188298 SFP15-13 SINGLE FIBRE SM-MH

> TELINDUS INTERFACE MODULES OFFER HIGH-SPEED WAN OR LAN CONNECTIVITY TO THE TELINDUS 106X AND 24XX ROUTER FAMILY.

WAN interface modules range from E1 (2 Mbps) up to STM1 (155 Mbps). They provide wire-speed router connectivity for network connections based on PPP, Frame-Relay or ATM.

The E1 module comes with 6 physical G.703 connections, supporting either independent or groomed operation. In independent operation mode, each port acts as an individual port on the router, running ATM, Frame-Relay or PPP encapsulation. In combined mode, the bandwidth of different ports is aggregated through IMA (Inverse Multiplexing over ATM), multi-link Frame-Relay or multi-link PPP.

The E3/ module supports encapsulation for ATM at 34 Mbps.

The STM1 module features an on-board UTP connector and two-slots for Small Form-factor Pluggable (SFP) fibre-optic transceivers, where the second fibre transceiver module can provide physical backup for the first one.

The LAN interface module provides 4-port Fast Ethernet connectivity.

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