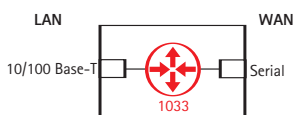
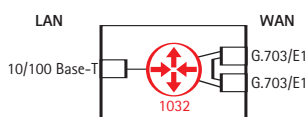
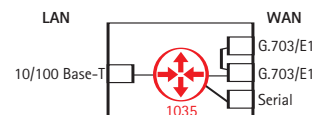
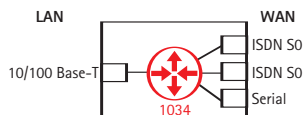
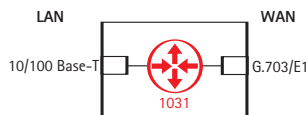


DIFFERENT 103X ROUTER MODELS



of a PC maintenance tool (TMA), a command line interface or a menu driven interface.

On IP level the equipment supports Telnet, SNMP, HTTP or TFTP/FTP. In this way it is possible to integrate the unit in any existing network management environment.

At the network level it is possible to manage the access network with a stand-alone element manager or with an element manager integrated into HP OpenView.

FEATURES & BENEFITS

- > PROFESSIONAL 10 MBPS WAN ROUTERS
- > AVAILABLE WITH SERIAL, ISDN OR CHANNELISED E1 INTERFACES
- > 10/100 AUTO SENSE ETHERNET INTERFACE
- > IP ROUTING AND BRIDGING
- > CLASS OF SERVICE ROUTING
- > VLAN INTERCONNECT
- > ATM, FRAME RELAY AND PPP WAN ENCAPSULATION
- > BUILT-IN L2TP AND IPSEC SECURITY
- > FULLY MANAGEABLE WITH A VARIETY OF TOOLS

LAN INTERFACE

- > Compliant with IEEE 802.3 10Mbps HDX/FDX Ethernet
- > Compliant with IEEE 802.3u 100Mbps HDX/FDX Ethernet
- > 10/100Mbps auto-sense
- > RJ45 Unshielded Twisted Pair (UTP)
- > Number of interfaces: 1

WAN INTERFACES

Available WAN interfaces depend on the model

Model	1031	1032	1033	1034	1035
Serial	-	-	1	1	1
G.703/G.704	1	2	-	-	2
BRI	-	-	-	2	-

Note: The 1035 does not support multiport operation on the G.703 interfaces (only add-and-drop)

G703 INTERFACE CHARACTERISTICS

- > Applicable standards: ITU-T G.703, G.704, G.823, G.826
- > CRC4 insertion & monitoring
- > Line data rate (nominal): 2048 kbps
- > Line code: HDB3/AMI
- > Line connection: RJ45 DTE
- > Line Impedance: 120 ohm balanced
- > Clocking: slave receive, internal
- > Unframed 2Mbps mode: support for PPP, Frame-Relay
- > Channelised E1 mode: support for PPP, Frame-Relay
- > Fractional E1 mode: support for PPP, Frame-Relay, ATM
- > Possibility for add-and-drop on 64kbps time-slots between the two G.703 interfaces

RS530 INTERFACE CHARACTERISTICS

- > Applicable standards: ITU-T V.10, V.11
- > DTE signals: RXD, TXD, SGND, RTS, CTS, DTR, RXCLK, TXCLK, EXTCLK
- > Connector: female DB25 (ISO 2110), directly compliant with RS530, RS530A
- > Through adapter cable: V.35, V.36 (RS449), X.21, V.24 (RS232)
- > Synchronous or asynchronous operation
- > Synchronous clocking: internal, internal transmit, slave receive, external
- > Synchronous interface speeds: Nx64 kbps, up to 10 Mbps
- > Asynchronous interface speeds: 9600, 19200, 38400, 57600, 115200 bps
- > PPP, Frame Relay and ATM WAN encapsulations

BRI INTERFACE CHARACTERISTICS

- > Line connection: RJ45 S0 DTE
- > PPP WAN encapsulation with MLPPP support
- > ISDN Dial-up or leased line mode
- > Applicable standards: I.420, I.412, I.430, I.440 (= Q.920), I.441 (= Q.921), I.450 (= Q.930), I.451 (= Q.931)

CONTROL INTERFACE

- > Applicable standards: ITU-T V.24, V.28, EIA/TIA 574
- > DCE signals: RXD, TXD, SGND
- > Connector: female DB9

FRONT PANEL INDICATORS

- > PIWR: Power
- > G703 / ISDN 1 / LNK: first G.703/ISDN interface status (1031, 1032, 1034, 1035)
- > G703 / ISDN 1 / ACT: first G.703/ISDN interface's WAN protocol status (1031, 1032, 1034, 1035)
- > G703 / ISDN 2 / LNK: second G.703/ISDN interface status (1032, 1034, 1035)
- > G703 / ISDN 2 / ACT: second G.703/ISDN interface's WAN protocol status (1032, 1034, 1035)
- > RS530 / LNK: RS530 interface status (1033, 1034, 1035)
- > RS530 / ACT: RS530 interface's WAN protocol status (1033, 1034, 1035)
- > LAN / ACT: LAN status
- > LAN / COL: LAN collision detect

MEMORY

- > Flash memory: 16 Mbyte
- > RAM (1031-1034): 16 Mbyte
- > RAM (1035): 64 Mbyte

ROUTING AND BRIDGING CHARACTERISTICS

- > Conform TDRE (Telindus Dynamic Routing Engine)

ROUTING AND BRIDGING PERFORMANCE

- > Full forwarding performance of 64byte packets at maximum interface speed
- > Routing performance: 45.000 pps
- > Bridging performance: 36.000 pps
- > Supported number of Frame-Relay DLCIs: 200
- > Supported number of ATM PVCs: 31
- > Supported number of VPN tunnels: 10
- > Supported number of VLANs: 200
- > Supported number of bridge-groups: 13

MAINTENANCE AND MANAGEMENT SUPPORT

- > Conform TDRE (Telindus Dynamic Routing Engine)
- > Insertion/extraction of management channel in G.703 time-slot 0 (on models with G.703 interface)

MECHANICAL DATA (H X W X D)

- > 45 x 220 x 235 mm Weight: 800 g

POWER REQUIREMENTS

- > 9 Vdc, 1A
- > External power adapters available for 24/48Vdc and 115/230 Vac

SALES CODES: STANDARD UNITS

- > 177460 Telindus 1031 Router 230VAC (1x G.703)
- > 177463 Telindus 1032 Router 230VAC (2x G.703)
- > 177465 Telindus 1033 Router 230VAC (1x RS-530)
- > 183014 Telindus 1034 Router 230VAC (1x RS-530, 2x BRI)
- > 177468 Telindus 1035 Orchid 230VAC (1x RS-530, 2x G.703)

SALES CODES: WITH HARDWARE ENCRYPTION

- > 177627 Telindus 1032 Router 3DES 230VAC (2x G.703)
- > 177633 Telindus 1033 Router 3DES 230VAC (1x RS-530)
- > 183016 Telindus 1034 Router 3DES 230VAC (1x RS-530, 2x BRI)

A cardversion of the 1035 is also available. See chapter Network Maintenance & Management

Units without power module and separate power adapters can be found in the sales codes quick reference section

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