



PrimusPro



G.703/4 Interface Converter/In-house Modem



- ▶ **X.21/V.35 to G.703/4 Converter**
- ▶ **Adjustable speed 64 Kbit/s to 2.048 Kbit/s in n x 64 K increments**
- ▶ **X.21/V.35 to ISDN PRI TA for Permanent Circuits**
- ▶ **Easy local and remote configuration**
- ▶ **Automatic free timeslot detection**
- ▶ **Applicable as in-house modem**
- ▶ **Automatic propagation delay compensation**
- ▶ **Several line test opportunities**
- ▶ **Optional integrated SNMP Proxy Agent**

PrimusPro

Introduction

Save costs and secure your investments by effortlessly converting equipment to G.703/G.704.

PrimusPro, the successor of the Controlware Primus, offers easy access of X.21 or V.35 equipment to G.703/G.704 lines. PrimusPro works at any speeds between 64 Kbit/s and 2.048 Kbit/s in any increment of 64 K. By using PrimusPro, Carriers, Network Service Providers or Enterprises can use inexpensive G.703 lines to connect any kind of equipment with X.21 or V.35 interfaces. It's no longer necessary to buy expensive add-on modules for those devices. Even if it's not possible to equip existing devices with a G.703/G.704 interface, connect the equipment to this type of line by simply connecting the PrimusPro between the line and the unit.

PrimusPro, which can be used as in-house-modem as well, offers improved performance at a low price compared to a conventional 2 Mbit modem. It's also possible to use PrimusPro as an ISDN terminal adapter for permanent primary rate interfaces at E1 speeds. These circuits are available in some countries as an cost effective alternative to leased lines.

The network side uses G.703/G.704 framing is used. Any data rate from 64 Kbit/s up to 1984 Kbit/s in 64 K increments can be supported depending on the use of the time slots 0 and 31. Full

2048 Kbit/s also can be also supported (unframed). The interface is compatible with I.431 (ISDN-PRI).

An X.21 or V.35 interface is provided on the DTE side. In contrast to other products a smooth, PLL generated output clock is ensured (no clock stopping). An automatic propagation delay (APD) compensation is integrated to guarantee error-free operation at varying cable lengths to the DTE.

The PrimusPro features easy local and remote settings by any terminal emulation. Settings on the local device are automatically forwarded to the remote unit. Test loops automatically disengage after 20 seconds. Alarms can be simulated by using TAOS (transmit all ones) also by terminal. Information of local and remote settings and free timeslots is available by the terminal at any time.

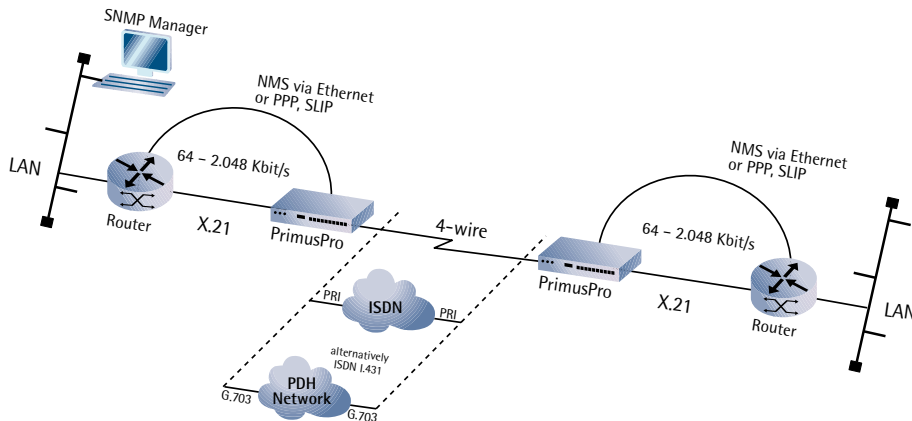
The PrimusPro can be equipped with an SNMP management module which allows full configuration, testing and trap forwarding via a central NMS station.

[access_the_world](#)

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Typical Application Showing PrimusPro Units



Technical Specifications

- **Network/Line interface** G.703/G.704: 2048 Kbit/s
4-wire, RJ-45
I.431: 64 Kbit/s – 2048 Kbit/s
- **DTE Interface** X.21 (RS-449), 15 pin
V.35, 37 pin
- **Distance** 2 km at 22 AWG twisted pair
- **Max. line attenuation** - 43 db
- **SNMP Management** By integrated Ethernet 10 Base T
- **Power Supply** 100 to 240 V, 47 – 63 Hz, max. 8 VA
- **Dimensions** Desktop module: 45 mm x 247 mm x 207 mm (H x W x D)
Rack module: 25 mm x 180 mm x 100 mm (H x W x D)
- **Supervisor** RS232 COM-port, VT100 Terminal emulation
- **Other Features** Automatic propagation delay compensation
Local and remote test loops
Optional intergrated SNMP agent
Displaying of available timeslots
Automatic Remote configuration
- **Compliance** CE

Order No.	1.602.00021 PrimusPro X.21	1.62.00022 PrimusPro X.21 SNMP
Table Top:	1.602.00035 PrimusPro V.35	1.62.00036 PrimusPro V.35 SNMP
Order No.	1.602.00023 PrimusPro X.21	1.62.00024 PrimusPro X.21 SNMP
Rack Version:	1.602.00037 PrimusPro V.35	1.62.00038 PrimusPro V.35 SNMP

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