

CV 8000

Benefits

- G.703 - E2 8.448 MBPS converter
- G.703 - T2 6.312 MBPS converter
- Network interface : BNC and RJ45 sockets, 75 Ohms impedance
- E2 : G703 coding at 8,448 MBPS +/- 20 ppm
- T2 : G703 coding at 6,312 MBPS +/- 20 ppm
- • Data Terminal Interface : multiple protocols as RS530, V35, X21
- Ethernet Interface 10 / 100 BaseT, automatic MDI / MDX detection
- Up-to-date technologies for clock and jitter control
- Line rate: 8.448 MBPS or 6,312 MBS +/- 20 ppm
- Ethernet filtering bridge
- 1,000 Ethernet address memory
- 400 Ethernet frame buffer
- Easy operation : VT100 menus, graphical software for MS-Windows systems
- Network management : tcp-ip, local and remote
- SNMP management: operation control and alarm reporting - TRAP
- Local and remote test loops
- Diagnostics and statistics
- Log file of critical events
- Dry alarm relay on screw bloc
- 19 inches format, ETSI compatible
- 110-230Vac mains or 48Vdc power supply

ETHERNET BRIDGE & E2/T2 CONVERTISSEUR

CV-8000 is a G.703 interface converter that connects a data terminal interface to an E2 – 8.448 MBPS or T2 – 6.312 MBPS network interface. The data terminal interface is either a multiple protocol data port that is user configurable as RS530, V35 or X21, or a 10/100 Base TX Ethernet interface that provides bridge capabilities.

CV-8000 is especially well suited for interconnecting networks through microwave link at 6 or 8 MBPS. It can connect an X21/V35 router to the E2/T2 network, or even provide a plug and play connection thanks to its embedded Ethernet bridge.

CV-8000 is a 19 inch / 1U high enclosure that can fit in a standard 19" bay. It can be powered from the 110-230 Vac mains or from any 48 or 9-39 Vdc supply.



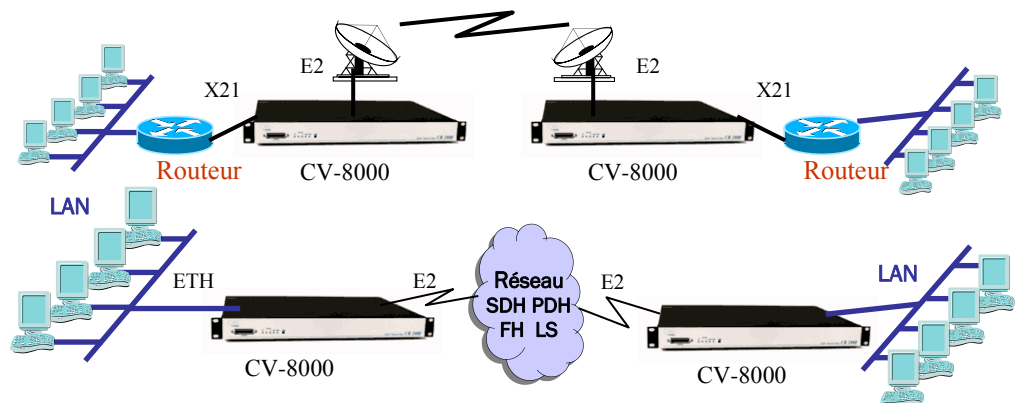
CV-8000 is so easy to operate thanks to its intuitive menus and its graphical management software provided with the unit.

CV-8000 can be managed from the LAN through Telnet protocol, or through an optional snmp and graphical MIB. It provides full operating information and a log file of the critical events to allow a full monitoring of the transmission.

CV-8000 is part of a complete PDH / SDH range of CXR products, with rates of 64 KBPS to 155 MPBS.

APPLICATIONS

Interconnecting enterprise LAN networks through an E2-8.448 MBPS or T2-6.312 MBPS link

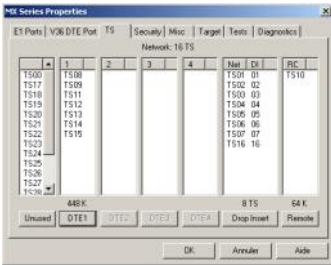


CV-8000 provides a plug and play LAN interconnection thanks to its Ethernet bridge, through a microwave link at a rate of 6.312 (T2) or 8.448 MBPS (E2). Alternatively, its RS530 interface can connect to the data port of a router

The RS-530 interface is user selectable in RS530, V35 or X21 to suit any application requirement.

The embedded Ethernet bridge provides several key advantages: ease of operation, cost effective, protocol transparency, performance.

**E2 / T2 Interface Converter
Terminal Interface X21, RS530,
V35
Ethernet Bridge 100 Base TX**



MXCFG : graphical software for managing the CV/MX range of CXR products



TECHNICAL SPECIFICATIONS

Network Interface

G703, clear channel
E2 rate : 8.448 MBPS, +/- 20 ppm
T2 rate : 6.312 MBPS, +/- 20 ppm
BNC and RJ45 Sockets
Impedance : 75 Ohms
Line coding: HDB3 - AMI
Line loss : -6 dB
Clocking : internal reference, network, terminal
1500V insulation as per UIT-T K20 and K21

Terminal Interface

DB25-F socket, RS-530 assignment
Modes : X21, V35, RS530, V36
E2 rate : 8.448 MBPS +/- 20 ppm
T2 rate : 6.312 MBPS +/- 20 ppm

Ethernet Interface

Rate : 10 / 100 MBPS
Interface : 10/100 BaseTX, IEEE 802.3
Socket : RJ45
Automatic MDI / MDX
Ethernet bridgewith automatic learning of up to 1,000 MAC addresses
400 Ethernet frame buffer
Filtering or transparent bridge
Statistics : counters for sent / received frames, and filtering diagnostics

Light Indicators

Power / administration
WAN CD : network signal detection
WAN SYNC : network synchronization
WAN ERR : network alarm indication
Test : loop test indicator
Link : Ethernet connection
LAN RX : data received from the LAN
LAN TX : data sent to the LAN
DTE RX : data received by the data terminal
DTE TX : data sent by the data terminal
DTE ERR : terminal alarm indicator
DTE ACT : active terminal detection

Configuration Port

V24/V28—8 bits, 19.2 Kbps
VT 100 compatible
AT commands or intuitive menus
RJ45 socket and DB9 cable

Management

Local Admin port : AT commands or intuitive VT100 menus
Graphical software running MS-Windows : configuration editing and saving, monitoring, test, firmware upgrade
Diagnostics : local and remote loop tests, PING
Tcp-ip management : Telnet, FTP for firmware upgrade
Remote unit control through tcp-ip Telnet protocol
SNMP and graphical MIB as an option
NTP client for event stamping
24 hour statistics : counters for LOS, AIS
Log of the last 40 events : LOS, AIS, terminal status, configuration change, unit start-up
Alarm relay : 3 terminal screw bloc, critical events defined by the user
Flash Eprom memory for firmware upgrade

Power Supply

Mains : 110-230 Vac, 50-60 Hz, IEC socket
48 Vdc : 36-72 Vac, 9-36 Vdc as an option, terminal screw bloc

General

Dimensions : 146.5 x 144 x 30.7mm
Weight : 3.4 kg
Operating temperature: 0 - 45 °C
Design with respect to : EN 60950, EN 55022, EN 55024, FCC Part-15 Class A

ORDERING INFORMATION

CV-8000 - MXY

X : Power supply	Y : Country and line interface
I Mains 110-230 Vac power supply	E Europe, E2 network access
C 48 Vdc DC/DC converter	U USA, T2 network access

Options

CV8-SNMP : SNMP and graphical MIB

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