

Crocus NX64K CNV



The Crocus CNV is a family of manageable Nx64 kbps and 2 Mbps interface converters with exchangeable interface.

CROCUS NX64K CNV

It can perform the conversion between serial and Ethernet interfaces and a G.703 (F)E1. The serial or Ethernet interfaces fit in a slot for an interface card. Supported modular interfaces include classical serial type of interfaces like X.21, V.35, V.36, RS-530, RS-232, but also 10-Base-T interfaces with integrated bridging and routing functionality.

The unit supports (depending on the model) full 2 Mbps conversion or conversion of all multiples of 64 kbps (Nx64k, N=1..32) where it allows a free mapping of the time-slots on the G.703/G.704 fixed interface. The family consists of desktop versions with AC or 48V DC powering, and dual rack-mount versions for mounting in the CN4 family.

FEATURES AND BENEFITS

- Nx64k and 2Mbps G.703 interface converters
- Desktop and rack-mount versions
- Modular data interfaces for maximum flexibility
- Fully manageable, including free maintenance software TMA[®]
- Wide range of clocking possibilities



CROCUS NX64K CNV SPECIFICATIONS

Available basic interface converter units (without modular interfaces)

	Speed	TT or CV	Number of interface converters
Crocus Nx64 CNV TT	Nx64 kbps	TT*	1
Crocus Nx64 CNV TWIN-CV	Nx64 kbps	CV*	2
Crocus 2M CNV TWIN-CV	2 Mbps	CV*	2

* Desktop (TT) or Card-Version (CV)

Fixed G703 telecom interfaces

- Applicable standards: ITU-T G.703, G.704, G.732, G.736, G.812, G.813, I.431, CRC-4 insertion
- Balanced interface at 120 Ohm on RJ45 connector, DTE
- Unbalanced interface at 75 Ohm on BNC connectors (desktop only)
- Balanced (120 Ohm) and unbalanced (75 Ohm) on screw connectors (card-versions only)
- Jitter performance: ITU-T G.823, G.825
- Nominal line data rate: 2048 kbps, E1 or FE1
- Transmit level: 0dBm
- Receiver sensitivity: -15 dBm (short haul mode), -36 dBm (long haul mode)
- Line code: HDB3, AMI (short haul mode only)
- Performance monitoring: G.704 CRC-4 (configurable)

Modular interfaces (field exchangeable)

- Datamode: DCE
- Available modular serial interfaces: V.35, V.36, X.21, RS-530, RS-232
- Available modular 10Base-T interface: IP router 2M
- User speeds: Nx64 kbps (N=1..32) or 2 Mbps (depending on model)

Clocking schemes

Free run

- internal clock used to transmit to the G.703 network
- internal clock used for RxD and TxD

Slave to network

- G.703 recovered clock is used to transmit to the G.703 network
- G.703 recovered clock is used for TxD and RxD

Transparent

- DTE clock (x or TxClk) is used to transmit to the G.703 network
- recovered G.703 clock is used for RxD

Mixed mode

- internal clock is used for TxD and to transmit to the G.703 network
- recovered G.703 clock is used for RXD

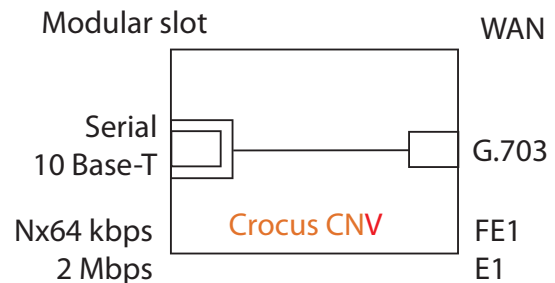
Fallback to other clock source in case of absence

Sales Code

- > 171289 Crocus Nx64k CNV BU Vac
- > 171290 Crocus Nx64k CNV BU 48Vdc
- > 171291 Crocus Nx64k CNV Twin-CV BU (2 converters)
- > 171292 Crocus 2M CNV Twin-CV BU (2 converters)

Sales codes: Interfaces

All transparent data interface modules are found in the sales codes quick reference section



Management interface

- Synchronous High speed bus (CV only): RJ45 connector on CN4 card nest
- Console port: 9600 bps, asynchronous, 8N1, SubD 9-pin
- Alarm contacts on CN4: Major, minor (CV only)

Front panel indicators

- PWR: Power
- TST: Test indicator
- ERR/AIS: AIS (Alarm Indication Signal)
RAI (Remote Alarm Indication)
Local Alarm Signalling
- LOS/LFA: Loss Of Signal
Loss Of Frame Alignment
- 103/TXD: Transmit data (input)
- 104/RXD: Receive data (output)

Test loops

- Analogue Loop
- Digital Loop
- Remote Digital Loop
- Error test generator: 215-1

Mechanical data (H x W x D)

- Desktop: 45 x 220 x 235 mm
- Weight: 0.75 kg (modular interface excluded)
- Card versions: 20 x 235 x 300 mm
- Weight: 1 kg (modular interfaces excluded)

Power requirements

- Desktop VAC version: 85 .. 265 Vac, 45 – 60 Hz
- Desktop 48 VDC version: -36 Vdc ... -72 Vdc
- Card version: -36 Vdc .. -72 Vdc, 7.2 W max

