

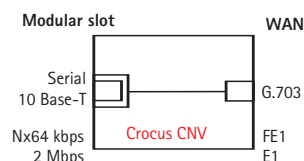
# CROCUS NX64K CNV



## FEATURES & BENEFITS

- > NX64K AND 2MBPS G.703 INTERFACE CONVERTERS WITH MODULAR DATA INTERFACES
- > DESKTOP AND RACK-MOUNT VERSIONS
- > MODULAR DATA INTERFACES FOR MAXIMUM FLEXIBILITY
- > FULLY MANAGEABLE, INCLUDING FREE MAINTENANCE SOFTWARE TMA<sup>®</sup>
- > WIDE RANGE OF CLOCKING POSSIBILITIES

## CROCUS CNV BLOCK DIAGRAM



> THE CROCUS CNV IS A FAMILY OF MANAGEABLE NX64 KBPS AND 2 MBPS INTERFACE CONVERTERS WITH EXCHANGEABLE INTERFACE.

It can perform the conversion between virtually any type of interface and a fixed G.703 (F)E1. 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 or 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.

## 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 Rx/D and Tx/D
- > Slave to network
  - > G.703 recovered clock is used to transmit to the G.703 network
  - > G.703 recovered clock is used for Tx/D and Rx/D
- > Transparent
  - > DTE clock (x or TxClk) is used to transmit to the G.703 network
  - > recovered G.703 clock is used for Rx/D

- > Mixed mode
  - > internal clock is used for Tx/D 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

## 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: 2<sup>15</sup>-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 48VDC version: -36 Vdc .. -72 Vdc
- > Card version: -36 Vdc .. -72 Vdc, 7.2W max

## SALES CODES

- > 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

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