

# CROCUS 2M CNV



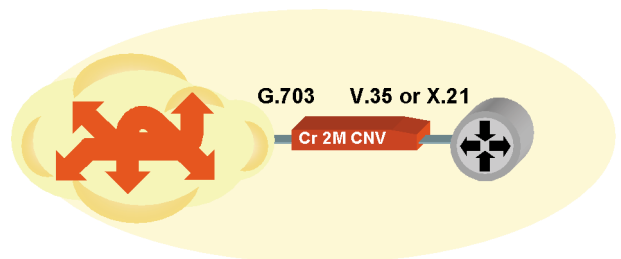
## Features & Benefits

- 2Mbps G.703 interface converter
- Models for X.21, V.35 or 10Base-T
- Wide range of clocking possibilities
- Full size connectors (no adapter cables required)

## Crocus 2M CNV

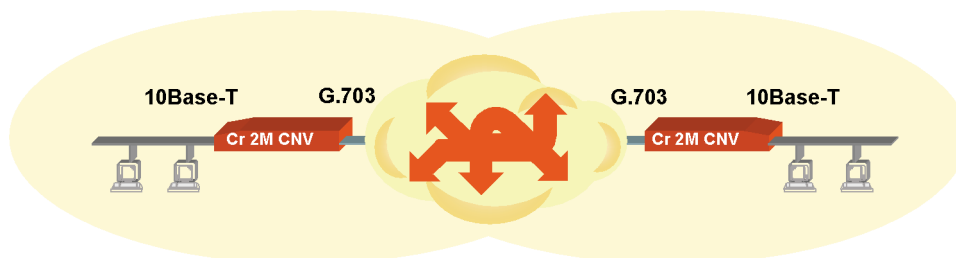
The Crocus 2M CNV is a family of cost-effective interface converters for connecting different types of applications to G.703 based infrastructures. The Crocus 2M CNV offers transparent 2 Mbps operation, and supports a wide range of clocking possibilities. With its full size connectors, the interface converter eliminates the need for costly adapter cables. The models with X.21 and V.35 interface can be used for connecting applications like routers or switches to a G.703 transport infrastructure. The 10Base-T model offers an integrated bridging functionality, and can be used for the direct interconnection of Local Area Networks.

The Crocus 2M CNV is suited for connection to G.703 transport infrastructures based on both 120 ohm twisted pair and 75 ohm coax cable.



G.703 transport network

*Interfacing V.35 or X.21 applications to G.703 transport infrastructures*



G.703 transport network

*LAN-to-LAN connections through a G.703 transport infrastructure*

# Technical Specifications

## Interfaces

- G703 telecom interface (all models)
  - conform ITU G.703
  - balanced interface at 120 ohm on RJ45 connector
  - unbalanced interface at 75 ohm on BNC connectors
- X21 interface (X.21 model)
  - electrical interface conform V11
  - functional interface conform X24/DCE
  - mechanical interface conform ISO 4903 (DB15 female)
  - support of 't', 'r', 's', 'c', 'i' and 'x'
- V35 interface (V.35 model)
  - electrical interface conform V11- V10
  - functional interface conform V24/DCE
  - support of TXD, RXD, TXC, RXC, TXC', DCD, RTS->CTS, DSR->DTR
  - mechanical interface conform ISO 2593 (34 pin Winchester female)
- Ethernet interface (10Base-T model)
  - 10Base-T (RJ45) conform to IEEE 802.3
  - auto polarity detection and correction
  - half duplex and full duplex mode
  - self learning bridge function (aging 5')

## Clocking modes

- Free Run
  - internal clock used to transmit to the G.703 network
  - internal clock used for RxD and TxD
- Slave to Network
  - G.703 clock is recovered with jitter filtering
  - recovered clock is used to transmit to the G.703 network
  - recovered clock is used for TxD and RxD
- Transparent
  - DTE clock (x or TxC') is used to transmit to the G.703 network
  - recovered clock from the G.703 network is used for RxD
- Mixed mode
  - internal clock is used for TxD and to transmit to the G.703 network
  - recovered clock from the G.703 network is used for RXD

## Front panel indicators

- PWR Power
- LIS/AIS indicates Loss of Incoming Signal and Alarm Indication Signal
- LL/RL indicates status of loops (local loop, request for remote loop)
- DL/RDL indicates status of loops (digital loop set locally or remotely)
- TXD lights up when transmitted data is present
- RXD lights up when received data is present
- LNK lights up when the UTP port is correctly connected to a LAN

## Testloops

- loop mechanism for maintenance based on V54 loop definition
  - local loop: loops data back to the local connected application
  - digital loop: loops data back to the G703 interface
  - remote loop requested at 1 site forces digital loop in remote site

## Supplementary features

- built-in G.703 line driver supports line attenuation up to 40 dB resulting extended transmission capacity on two twisted pairs
- compatible with the Telindus Datax BITS-INT product

## Conformity to international standards

- EN60950 (class I equipment)
- EN41003
- EN55022B
- EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5
- EN61000-4-6, EN61000-4-8, EN61000-4-11
- ENV50204
- EN61000-3-2, EN61000-3-3

## Mechanical data

- H x W x D: 38 x 150 x 270 mm
- weight: 0.6 kg (excl. power adapter)

## Power requirements

- 7.5 Vdc, 500mA
- 230 Vac Power adapter included

## Environmental requirements

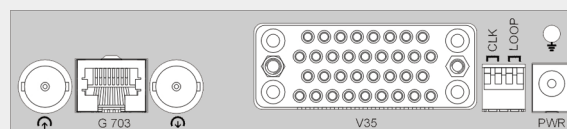
- Ambient operational temperature -5°C to 50°C
- Operational relative humidity 0% to 95% non-condensing
- Compliant to ETSI ETS 300 019-1-3 Class 3.1 & 3.1e
- Storage temperature -25°C to +70°C
- Maximum altitude 3000 m

## Sales codes

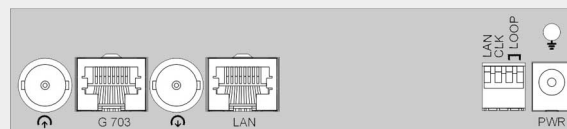
- 169320 CROCUS 2M CNV TT X21
- 169319 CROCUS 2M CNV TT V35
- 169321 CROCUS 2M CNV TT LAN



Rear View of the X.21 Version of the Crocus 2M CNV



Rear View of the V.35 Version of the Crocus 2M CNV



Rear View of the 10Base-T Version of the Crocus 2M CNV

Note: Telindus may make improvements and/or changes in the products described above at any time, without notice and shall in no way be held responsible for errors in this document

Your partner:

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