

CROCUS SHDSL G.703 new



FEATURES & BENEFITS

- > HIGH-SPEED BASEBAND MODEM FOR USE ON A SINGLE OR DUAL UNSHIELDED TWISTED COPPER PAIRS
- > BASED ON THE NEW G.SHDSL STANDARD FOR HIGHER SPEEDS AND LONGER LOOP RANGES
- > FIXED G.703/G.704 INTERFACE (120 AND 75 OHM)
- > VARIABLE LINE-TRANSMISSION RATES FOR HIGHEST REACH
- > LOCAL OR REMOTE POWERED UNITS AVAILABLE
- > ADVANCED MAINTENANCE AND MANAGEMENT OPTIONS

> THE CROCUS SHDSL G.703 (SINGLE-PAIR HIGH BIT RATE DIGITAL SUBSCRIBER LINE) IS A NEW-GENERATION MANAGEABLE BASE BAND MODEM OFFERING FULL 2 MBPS DUPLEX TRANSMISSION FOR G.703 BASED APPLICATIONS OVER UNCONDITIONED UNSHIELDED TWISTED-PAIR CABLE.

A special 2-pair version offers the possibility to extend the reach to longer distances. For extreme long distances, the equipment can fall back to a lower line speeds and supports Fractional E1 (FE1) operation on its interface.

The equipment is based on the TC-PAM (Trellis Coded Pulse Amplitude Modulation) modulation, which guarantees higher speeds and longer loop performance. It also guarantees spectral compatibility with legacy and ADSL transmission systems in the same cable bundle.

The unit can be used in a point-to-point configuration, or can be used with a central solution based on card-nest 4 (CN4) or the Telindus 2300.

The Crocus SHDSL G.703 is available as a locally or remotely powered (RP) unit. The remotely powered unit can also be locally powered at -48VDC directly or by 230Vac through an external power adapter.

The unit is designed for integration into demanding network environments and can be controlled by the complete set of network maintenance and management tools as they are described in this catalogue.

LINE INTERFACE

- > Applicable standards: ITU-T G.991.2, G.994
- > Single pair or two pair line access
- > Connector: RJ45
- > Impedance: 135 ohm
- > Coding: TC PAM, compliant to ITU-T G.991.2 (G.SHDSL)
- > Line speeds:
 - > Single pair: N x 64 kbit/s (N = 3 ... 32)
 - > Two pair: N x 128 kbit/s (N = 3 ... 16)
- > Handshaking: compliant G.994.1 (automatic speed negotiation) or fixed speed
- > Performance monitoring: compliant G.826 (errored seconds, severely errored seconds, unavailability seconds)
- > Analogue Loop, Analogue Loop + Error pattern and Digital Loop tests on the SHDSL line interface

G703 INTERFACE

- > User speed: (F)E1 2 Mbps (co-directional)
- > Connector:
 - > BNC (75 ohm)
 - > RJ45 (120 Ohm), DCE
 - > Transparent or fractional operation

CONTROL INTERFACE

- > Applicable standards: ITU-T V.24, V.28, EIA/TIA 574
- > DCE signals: RXD, TXD, SGND
- > Connector: female DB9 (EIA/TIA 574)

FRONT PANEL INDICATIONS

- > PWR: Power - differentiates between local and remote powering
- > SERIAL: indicates the state of the connected DTE
- > DCD 109 / 1: first line pair status
- > DCD 109 / 2: second line pair status

LOCAL MAINTENANCE TOOLS

- > Direct connection for VT100 local console (command line interface or interactive interface)
- > Direct connection for TMA (Telindus Maintenance Application)
- > External hand LCD terminal

NETWORK MANAGEMENT TOOLS

- > Integration in the TMA management suite

MECHANICAL DATA (H X W X D)

- > 45 x 220 x 235 mm Weight: 750 g

POWER REQUIREMENTS

- > 9 Vdc / 700mA with external 230Vac power adapter
- > -48Vdc / 130mA (only on RP models)
- > Remote powering (only on RP models)

SALES CODES

- > **181080** Crocus SHDSL TT G703 230Vac (1 pair, local powering)
- > **178715** Crocus SHDSL TT G703 RP (1 pair, dual powering)
- > **178713** SHDSL 2P TT G703 RP (2 pair, dual powering)