

CROCUS SHDSL G.703

CROCUS SHDSL RS-530 new



FEATURES & BENEFITS

- > HIGH-SPEED BASEBAND MODEM FOR USE ON A SINGLE OR DUAL UNSHIELDED TWISTED COPPER PAIRS
- > BASED ON THE G.SHDSL STANDARD FOR HIGHER SPEEDS AND LONGER LOOP RANGES
- > FIXED G.703/G.704 (120 AND 75 OHM) OR SERIAL RS530 INTERFACE
- > ADAPTER CABLES FOR V.35, V.36 (RS449), RS530, V.24 (RS232) AND X.21
- > VARIABLE LINE-TRANSMISSION RATES FOR HIGHEST POSSIBLE REACH
- > LOCAL OR REMOTE POWERED UNITS AVAILABLE
- > ADVANCED MAINTENANCE AND MANAGEMENT OPTIONS

> THE CROCUS SHDSL G.703 AND CROCUS SHDSL RS530 (SINGLE-PAIR HIGH BIT RATE DIGITAL SUBSCRIBER LINE) ARE MANAGEABLE BASE BAND MODEMS OFFERING FULL 2.3 MBPS DUPLEX TRANSMISSION OVER UNCONDITIONED UNSHIELDED TWISTED-PAIR CABLE.

Dedicated 2-pair versions offer the possibility to extend the reach to longer distances or higher speeds (up to 4.6 Mbps). For extreme long distances, the equipment can fall back to a lower

transmission rate, offering reduced speeds on the serial interface (RS530 model) or Fractional E1 (FE1) operation (G.703 model).

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 and Crocus SHDSL RS530 are 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

- > Coding: TC PAM, compliant ITU-T G.991.2 Annex A&B (G.SHDSL), ETSI TS 101524
- > Handshaking: compliant G.994 (automatic speed negotiation) or fixed speed
- > Single pair or two pair line access
- > Connector: RJ45 with plug-in converter for RJ12
- > Impedance: 135 ohm
- > Line speeds:
 - > Single pair: N x 64 kbps (N = 3 ... 36)
 - > Two pair: N x 128 kbps (N = 3 ... 36)
- > 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

G.703 INTERFACE (G.703 MODELS ONLY)

- > User speed: (FE1 2 Mbps (co-directional)
- > Connector: > BNC (75 ohm)
 - > RJ45 (120 Ohm), DCE
- > Transparent or fractional operation
- > Clocking: internal, external

RS530 INTERFACE (RS530 MODELS ONLY)

- > Applicable standards: ITU-T V10, V11, RS530, RS530A
- > Connector: female DB25 (ISO2110), compliant RS530, RS530A DCE
- > Through adapter cable: V.35, V.36 (RS449), X.21, V.24 (RS232)
- > User speeds:
 - > Single pair: N x 64 kbps (N = 1 ... 36)
 - > Two pair: N x 128 kbps (N = 1 ... 36)
- > Clocking: internal, external, slave

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
- > Insertion/extraction of management channel in G.703 time-slot 0

MECHANICAL DATA (H X W X D)

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

POWER REQUIREMENTS

- > 9 Vdc / 1A 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** Crocus SHDSL 2P TT G703 RP (2 pair, dual powering)
- > **181082** Crocus SHDSL TT RS530 230VAC (1 pair, local powering)
- > **178716** Crocus SHDSL TT RS530 RP (1 pair, dual powering)
- > **178714** Crocus SHDSL 2P TT RS530 RP (2 pair, dual powering)

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