

CROCUS ADM 2P

> THE CROCUS ADM 2P (ADD AND DROP MULTIPLEXER WITH 2 MODULAR PORTS) IS PART OF THE UNIVERSAL CROCUS ACCESS SOLUTION, AND OFFERS A FLEXIBLE AND MODULAR APPROACH FOR INTERFACE CONVERSION AND TIME DIVISION MULTIPLEXING (TDM).

The unit is equipped with 2 fixed (F)E1 G.703 interfaces and 2 slots for user-selectable plug-in interfaces. The main application for the equipment is the use as a dual port Nx64k multiplexer with (F)E1 G.703 output and an additional add-and-drop FE1 G.703 interface (figure 1). This add-and-drop interface can be used for stacking the cards and creating a multiplexer with an arbitrary number of Nx64k input ports.

Because the core of the equipment supports full cross-connect functionality, rather than only multiplexing, it is also possible to use the equipment as interface converter (Figure 2 and 3) or as a time slot re-organiser, when used between the fixed G.703 interfaces (figure 4).

The equipment comes as a card for mounting into the CN4 range of cardnets. Depending on the selected cardnet, a rackmount or desktop solution can be created.

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.

FIGURE1: STACKABLE TDM MULTIPLEXER (2 CARDS STACKED)

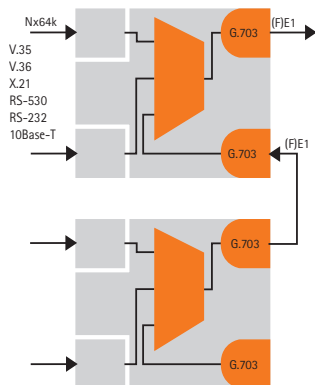


FIGURE2: DUAL NX64K TO G.703 FE1 INTERFACE CONVERTER

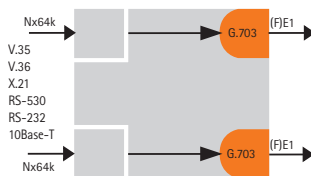


FIGURE3: NX64K INTERFACE CONVERTER

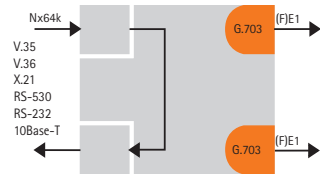
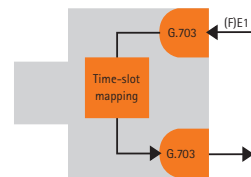


FIGURE4: G.703 TIME-SLOT RE-ORGANISER



FEATURES & BENEFITS

- > MODULAR STACKABLE NX64K MULTIPLEXER
- > G.703 (F)E1 OUTPUT AND ADD-AND-DROP INTERFACE
- > NX64K FIELD-EXCHANGEABLE SERIAL OR 10/100BASE-T INTERFACES

FIXED G.703 E1 INTERFACES (2 PIECES)

- > User speed: (F)E1
- > Connector: 120 ohm balanced RJ45 connector
- > 120 ohm balanced terminal block connector

MODULAR INTERFACES (2 PIECES, FIELD EXCHANGEABLE)

- > Datamode: DCE
- > Available modular serial interfaces: V.35, V.36, X.21, RS-530, RS-232, G.703/G.704
- > Available modular Ethernet interfaces: IP router 2M, IP router 10M
- > User speeds: Nx64 kbps (N=1..32)

FIXED G.703 E1 INTERFACE CHARACTERISTICS

- > Applicable standards: ITU-T G.703, G.704, G.736, G.732, I.431, CRC-4 insertion
- > Jitter performance: ITU-T G.823
- > Nominal line data rate: 2048 kbps
- > 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)
- > The two G.703 interfaces are automatically interconnected on power fail or self-test failure

MANAGEMENT INTERFACE

- > Synchronous High speed bus: RJ45 on CN4 card nest
- > Console port: 9600 bps, asynchronous, 8N1, SubD 9-pin ATWIN, TMA, CLI
- > Alarm contacts: Major, minor (See CN4)
- > Flash memory
- > Password protected
- > Insertion/extraction of management channel in G.703 time-slot 0

INTERNAL CROSS-CONNECT FUNCTIONALITY

- > Non-blocking
- > Any arbitrary combination of 64k time-slots
- > Compliant with ETSI ETS 300 010-1 and ETS 300 010-A

STATION CLOCK INTERFACE (ON CARD NEST CN4)

- > Nominal rate: 2048 kbps
- > Line code: HDB3
- > Line connection: 120 ohm balanced RJ45 connector

CLOCKING SCHEMES

- > External transmit clock (station clock)
- > Transmit clock slaved on E1 receive clock from ports 1...2
- > Internal transmit clock
- > Fallback to other clock source in case of absence

FRONT PANEL INDICATORS

- > General PWR: Power
- > For each fixed E1 TST: Test indicator
- > ERR/AIS: AIS (Alarm Indication Signal)
- > RAI (Remote Alarm Indication)
- > Local Configured Alarm
- > For each modular intf. 103/TXD: Transmit data (input)
- > 104/RXD: Receive data (output)

MECHANICAL DATA (H X D X W)

25 x 335 x 262 mm

POWER

48Vdc or 230Vac, 7.2W max

SALES CODES

- > 171294 Crocus ADM 2P CV
- (incl. 2 fixed G.703 intf)

SALES CODES: INTERFACES

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

MORE INFO:

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