

# CROCUS DXC



> THE CROCUS DXC (DIGITAL CROSS CONNECT) OFFERS 64 Kbps CROSS-CONNECT FUNCTIONALITY BASED ON G.703/G.704 2 MBPS (E1) PORTS.

**FEATURES & BENEFITS**

- > PROVIDES PROGRAMMABLE NON-BLOCKING CROSS CONNECTION OF 64K CHANNELS
- > 8 OR 16 E1 INTERFACES
- > FITS INTO CN4 FAMILY OF CARD-NESTS
- > ADVANCED FREE MAINTENANCE SOFTWARE
- > MANAGEABLE UNDER HP OPENVIEW®

The Crocus DXC allows the switching of any 64 kbps time-slot from any E1 port to any time slot from any other E1 port.

The main applications are found in the local switching of Nx64k leased line connections, and the concentration (grooming) of Nx64k services onto 2 Mbps E1 circuits. This solution is particularly useful for smaller concentration points where the investment in backbone switching equipment might be too high.

The Crocus DXC is available either as a card with 8 or 16 E1 ports, which fit into the CN4 range of card-nests. Depending on the selected card-nest, a rack-mount or desktop solution can be created.

The unit is configured through the free Telindus Maintenance Application (TMA®), which also gives comprehensive and visual information on the status and statistics of the Crocus DXC. Additional capabilities, like SNMP based management, Telnet, integration in network management platforms like HP OpenView® become possible when the Crocus DXC is used in combination with a controller card (Orchid).

In larger networks, the Crocus DXC can be combined with other Telindus units, like xDSL, Fibre-optic, or multiplexing equipment. This will create a global access platform, combining copper or fibre based access-connectivity with local switching and grooming. This complete system can be controlled through a uniform integrated network management solution.

**CROSS-CONNECT**

- > Number of E1 links: up to 8 or up to 16
- > Maximum throughput delay: 650 µsec
- > Non-blocking
- > Any arbitrary combination of 64k time-slots
- > Compliant with ETSI ETS 300 010-1 and ETS 300 010-2

**E1 LINK INTERFACES**

- > Applicable standards: ITU-T G.703, G.704, G.736, I.431, CRC-4 insertion
- > Jitter performance: ITU-T G.823
- > Line data rate (nominal): 2048 kbps
- > Line code: HDB3
- > Line connection: RJ45 DTE
- > Line Impedance: 120 ohm balanced or 75 ohm unbalanced (strap selectable)

**STATION CLOCK INTERFACE (ON CARD-NEST CN4)**

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

**CLOCKING SCHEMES**

- > External transmit clock (station clock)
- > Transmit clock slaved on E1 receive clock from ports 1...4
- > Internal transmit clock
- > Fallback to other clock source in case of absence of clocking

**TESTS**

- > External loop-back (Loop3) for each individual E1 line
- > Internal loop-back (Loop4) for each individual E1 line

**FRONT PANEL INDICATORS**

- > General: PWR: Power
- > For each E1
  - > TST: Test indicator
  - > ERR: Error condition: LOS, LOF, AIS, RAI (Remote Alarm Indication), Local configured alarm indication
- > Master clock indications
  - > STATION: Station clock on the card-nest is used
  - > 1...4: Clock derived from port 1..4 is used
  - > INTERNAL: Internal free running clock is used

**MANAGEMENT INTERFACE**

- > Synchronous High speed bus (for use with Orchid 1003 LAN) RJ45 connector on CN4 card nest
- > Console port: 9600 bps, asynchronous, 8N1, SubD 9-pin ATWIN, TMA, CLI
- > Alarm contacts
  - Major, minor (See CN4)
- > Dual Flash memory
- > Password protected
- > Insertion/extraction of management channel in G.703 time-slot 0

**MECHANICAL DATA (H X W X D)**

- > 8 ports version: 25 x 262 x 335 mm
- > 16 ports version: 50 x 262 x 335 mm

**POWER**

- > 48Vdc or 230Vac, 8W max

**SALES CODES**

- > 167322 Crocus DXC 8 CV (8x G.703 ports)
- > 167323 Crocus DXC 16 CV (16x G.703 ports)

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