

CROCUS DXC



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®

Crocus DXC

The Crocus DXC (Digital Cross Connect) is part of the Telindus Crocus Access solution, offering 64 kbps cross-connect functionality based on G.703/G.704 2 Mbps (E1) ports. 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 particular useful for smaller concentration points where the investment in backbone switching equipment might be too big.

Shipment includes:
TMA® free maintenance software

The Crocus DXC is available either as a card with 8 E1 ports, or as a card with 16 E1 ports. Both types 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 1003 LAN).

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.

The first choice for the l@st mile



Crocus DXC combined with other equipment mounted in a 19" shelf



Crocus DXC in a desktop configuration

Technical Specifications

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

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

Tests

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

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

Mechanical data

- 8 ports version H x W x D: 25 x 262 x 335 mm
- 16 ports version H x W x D: 50 x 262 x 335 mm

Environmental requirements

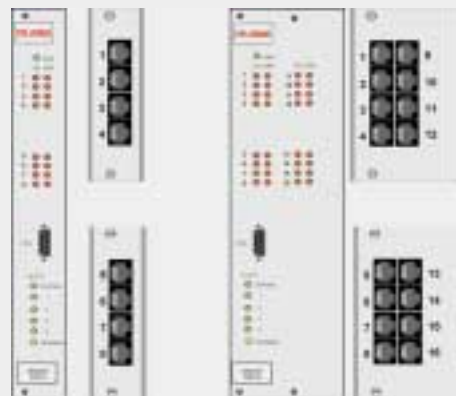
- Operational ambient temperature: -5°C to +50°C
- Operational relative humidity: 0% to 95% non-condensing
- Compliant to ETSI ETS 300 019-1-3 Class 3.1 & 3.1e
- Storage temperature: -25°C to +70°C

Power

- 48Vdc or 230Vac, 8W max

Sales codes

- 167322 CROCUS DXC 8 CV
- 167323 CROCUS DXC 16 CV



Crocus DXC 8 ports and 16 ports (front and back view)

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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