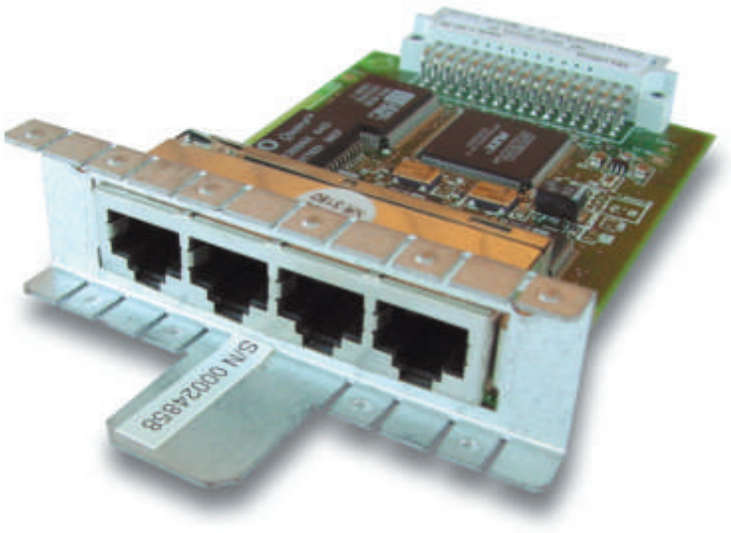
CROCUS QUAD E1 INTERFACE

> THE CROCUS QUAD E1 INTERFACE ALLOWS FOR THE SIMULTANEOUS TRANSPORT OF UP TO 4 G.703/E1 CONNECTIONS BY USING THE CROCUS FIBRE MODEMS OR CROCUS E3 MULTIPLEXER.



It is used as an interface in the Crocus FO10M, Crocus FO45M or Crocus E3 Mux.

The interface board fits in both the desktop and the card-versions of the Crocus equipment, allowing for a cost-effective solution for both end-user and central office equipment. Thanks to integrated bit stuffing algorithms, the four available G.703 interfaces on the board allow for the connection of totally independent applications, which do not have to be frequency locked.

Typical applications include:

> the offering of multiple simultaneous E1 services for voice or combined voice/data applications

> extensions of multiple 2Mbps access ports on SDH or PDH networks

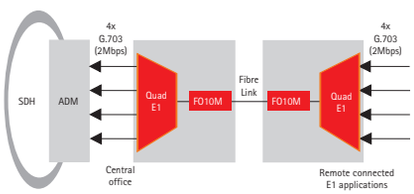
> street cabinet connections or fibre to the building (FTTB) for hybrid fibre copper connectivity.

Today, gradually more new access installations include fibre to the building (FTTB). Inside the building, a copper distribution infrastructure may be present. This is indicated in the picture.

The Crocus FO10M fibre modem equipped with the quad E1 interface is ideally suited for delivering the required multiple 2Mbps connectivity to the building.

From that point, access multiplexing and xDSL transmission techniques can be used for further distribution of Nx64k and 2 Mbps services to different subscribers.

v EXTENSIONS OF MULTIPLE 2 MBPS ACCESS PORTS ON SDH NETWORKS



FEATURES & BENEFITS

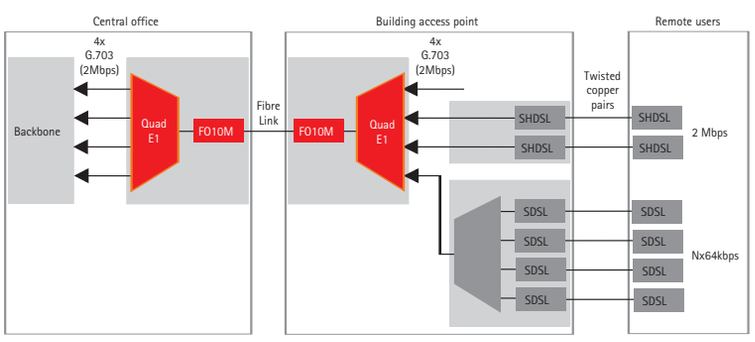
> TRANSPORTS OF MULTIPLE G.703/E1 CONNECTIONS OVER FIBRE MODEM OR E3 MULTIPLEXER

> SEAMLESS INTEGRATION WITH GLOBAL CN4 BASED ACCESS SOLUTION

> INDEPENDENT CLOCKING PER G.703/E1 INTERFACE

This global hybrid fibre copper connectivity (as shown on the picture below) includes the use of xDSL, fibre optic and access multiplexing technologies. Telindus can offer the complete solution and integrates the different technologies in one physical unit.

v GLOBAL HYBRID FIBRE COPPER ACCESS INFRASTRUCTURE



INTERFACE CHARACTERISTICS

> Interface type: G.703
> Number of interfaces per module: 4
> Nominal user speed per interface: 2048 kbps +- 50 ppm
> Jitter : Conform ITU-T G.823
> Clocking: Originated by the connected application
Independent per interface
> Connector: RJ45
> Impedance: 120 ohm
> Support for unframed and framed G.704 operation
> Support for CRC-4 regeneration

STATUS INDICATIONS (WITH TMA SOFTWARE)

> LOS: Loss Of Signal
> LFA: Loss of Frame Alignment
> AIS: Alarm Indication Signal

SALES CODES
> 163369 Quad E1 intf. Crocus

MORE INFO:
TELINDUS
Geldenaaksebaan 335
B-3001 Heverlee
Belgium

TEL +32 16 38 20 11
FAX +32 16 40 01 02
E-MAIL productinfo@telindus.com
www.telindusproducts.com

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broadband solutions