

4XE

Main Features

- Cross-Connect of four E1 streams on 64K level
- Mediation device for centralized management purposes
- CAS-type signalling conversion (optional)
- Long range E1 interfaces (over 2 km without DSL devices)
- Low power consumption
- Easy software upgrade with Flash EPROM
- Remote (Telnet, SNMP) or local (VT100) management



4XE – cost-effective cross-connect solution for linear, tree and star network topologies

4XE is a flexible and multipurpose device. In combination with the DSL modem family and the Plex multiplexer, 4XE allows building access and transport networks of nearly any topology. It is optimal as an add-drop node for GSM base stations connection, subscriber and data connections along railways, pipelines and highways. At the Central Office side 4XE can be effectively used for creating star (point-to-multipoint) topologies and time-slot management in leased line networks. When CAS signalling supported by the switch and remote concentrator/multiplexer are not compatible, 4XE can be implemented as a signalling converter.

4XE - mediation device for centralised management networks

Centralised management is another important application of 4XE. In many cases, remote network nodes have another connection to the central management station than TDM based transport network. In this scenario the only transport media available for the management information is time-slots within E1 streams. 4XE can be used both for encapsulation of the management information into 64K time-slots on the central network side and for conversion of this info into RS232 management interfaces on the remote side. 4XE can be used for configuration of the remote shelves as well as for remote control of any other network elements supporting VT100-type management interfaces.

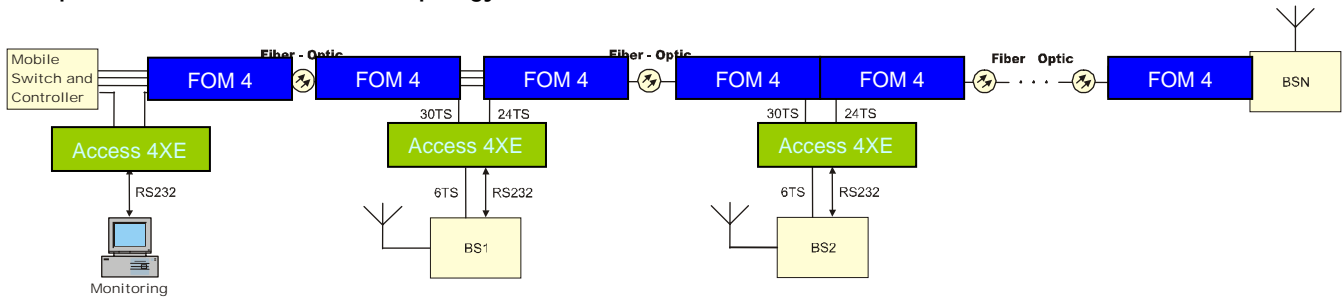
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4XE is a card to be installed in any mechanics of the platform: 14 slots 19 subrack, 3 slots COMPACT housing or 1 slot LIT housing. There are also Table Top and Minirack mechanics options for direct installation of the device into 19" cabinet (1U height).

Implementation of 4XE in linear topology for GSM base stations connection



SPECIFICATIONS

- E1 interface
- Cross-connection
- Clock internal,
- Diagnostics
- Management
- Remote management
- Power
- Dimensions (WxHxD)
- Environment temperature

- ITU-T G.703, G.704; 1200hm; HDB3; TS 0 – CRC4; TS16 – CAS; RJ-45
- uni- and bi-directional, TS switching, changing of ABCD bits (optional)
- recovered from E1, programmable priorities
- G.826; internal auto-diagnostics; manual external loops set up
- VT100; Telnet & SNMP (with CMU module in subrack)
- RS232 channel encapsulated into TS or national bits
- 38...72VDC, 220VAC with adapter; consumption less then 4W
- 300x233x220 (subrack); 307x288x56 (stand alone)
- 0...40C; humidity 5...95%

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