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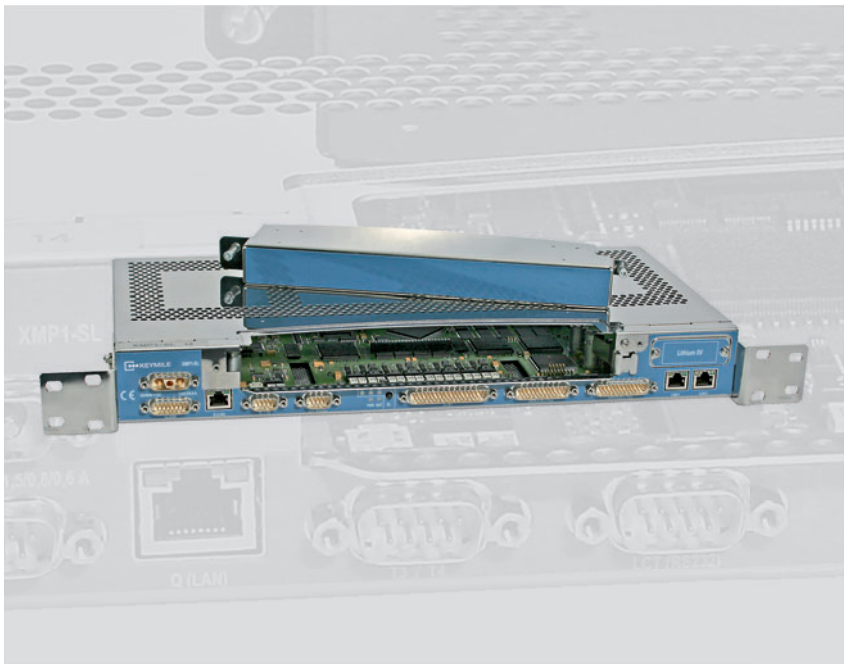
XMP1-SL

XMP1-SL (Slim Line) enhances the XMP1 platform by a compact universal 1 HU network element



- Fully non-blocking 8/64k cross-connect
- 8 x E1 (75/120 ohm)
- 2 x 10/100 Base-T Ethernet interfaces with Layer-2 switch (VLAN)
- Up to 4 data interfaces
- 1 universal slot for XMP1 modules
- Managed by ServiceOn XMP1 (SOX)
- High availability by traffic protection and redundant power feeding
- Optimized for transport and mobile networks

The compact XMP1-SL provides in its basic configuration grooming and consolidation of 8 x E1. It hosts 1 slot to equip an XMP1 module and connectors for 2 additional data sub modules.

Compact Solution

XMP1-SL combines the advantages of the XMP1 platform with a compact design. This guarantees a seamless integration in existing XMP1 networks. The XMP1-SL, the installed modules and the protection mechanisms are completely compatible with the XMP1.

Ethernet with XMP1-SL

Each XMP1-SL can be equipped with a sub-module SL-LAN, which provides a 4 port Layer-2 switch with 2 external 10/100 Base-T RJ-45 interfaces and 2 Ethernet over PDH WAN ports. Layer 2 switch has VLAN capability and can act as D- or Q-Bridge. It is also possible to bypass the switch to enable direct point-to-point applications. Mirroring of Ethernet data is supported.

Management

The end-to-end management platform ServiceOn XMP1 (SOX) fully supports the setup, configuration and monitoring of the XMP1 networks. Local management is supported by LCT.

Applications

XMP1-SL covers any kind of network topology, supporting the whole range of private and public transport networks such as:

- Traffic routes (railways, waterways, motorways)
- Utilities (gas, water, electricity)
- Power plants
- Pipeline companies
- Public network operators
- Mobile operators
- Security and military applications (e.g. air traffic control)
- Emergency services (police, fire brigade, first aid)

Units

A wide range of various XMP1 units can be equipped in the module slot of the XMP1-SL. Available are:

- OptC37
- 2-wire/4-wire E&M
- 2-wire exchange connection
- 2 wire subscriber POTS connection
- Combination exchange/ subscriber POTS/local battery
- ISDN BRI S0
- ISDN BRI UK0
- G.703 co/contra-directional
- V11, X.21, V.24, V.35
- Port HDB3
- Port LE opt U
- ISHDSL
- Video Decoder/Encoder
- Signal Collector

Technical Data

Standards and Recommendations	
ITU-T recommendations	G.703, G.703.6, G.703.7, G.703.8, G.704,G.706, G.711, G.712, G.732, G.742, G.751, G.796, G.803, G.811,G.812, G.821, G.823,V.110, R.111, G.826, G.828, G.991.2, H.261
Power Supply	
Power range	Power range: -18 V DC up to -75 V DC
Nominal	24 V, 48/60 V
Mechanical Design	
Height x Width x Depth	55 mm x 450 mm x 300 mm
Weight	3,5 kg (basic configuration)
Delivered with brackets for mounting in 19"/ETSI racks	
Interfaces	
E1	8 acc. to ITU-T G.703, G.704 (balanced (120 Ohm) or unbalanced (75 Ohm), max. 6 dB, 37-pin SUB-D connector
Data (optional)	4 x V.11/V.24/2 x V.35/WT or 4 x G703 co/contra modules, 25-pin SUB-D connector
Ethernet (optional)	L2-Switch according to IEEE 802.1Q. 4 ports
	2 x external 10/100 Base-T, RJ45 connector
	2 x Ethernet over PDH WAN ports, 2 x (n x 64 kbps 1 to 31)
Clock	T3, T4, 9-pin SUB-D connector
Management	Q interface Q (LAN), RJ45 connector
	LCT interface (RS-232), 9-pin SUB-D connector
Environmental Conditions	
Storage	ETSI EN 300 019-1-1 Class 1.2 (-25 °C... 55 °C)
Transport	ETSI EN 300 019-1-2 Class 2.1, 2.3 (-25 °C...+70 °C, with specific packaging -40 °C ... 70 °C)
Operation	ETSI EN 300 019-1-3 Class 3.2 enhanced (-5 °C ... +55 °C)
Safety	EN 60950-1, EN 41003
EMC	EN 55022 Class B, EN 55024, ETSI EN 300386, EN 50121-4, DIN EN 61000-6-2

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