

FOX615 LECO1

LECO1 offers legacy G.703 64 kbps interfaces for dedicated networks



LECO1 integrates 64 kbps interfaces in the FOX615/612 platform. Thus, 64 kbps data devices, such as routers and teleprotection terminals, that are in line with the standard can be connected. With LECO1, the TDM services common in dedicated networks can be supplied via the IP-based FOX615 platform.

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01 FOX615 LECO1

The LECO1 data can be switched with other 64 kbps services in FOX615 and multiplexed to higher TDM hierarchical levels.

- 8 x 64 kbps for data interfaces in line with ITU-TG.703
- Supports LTP and SNCP/I redundancy functions
- For FOX615 AND FOX612 chassis
- Fanless operation possible
- All functions via one network management system

Data interfaces

LECO1 provides eight codirectional 64 kbps interfaces according to ITU-T G.703. These can be transported via all transmission technologies provided by the FOX615 platform. As a result, the 64 kbps interfaces can be offered in a purely Ethernet backbone and in TDM networks.

Redundancy functions

LECO1 supports different redundancy functions in order to achieve maximum availability of the services. These functions ensure that the services provided are still available even if part of the network fails:

- Network protection: 1+1 Linear Trail Protection
- 1+1 inherently monitored Subnetwork Connection Protection (SNCP/I)

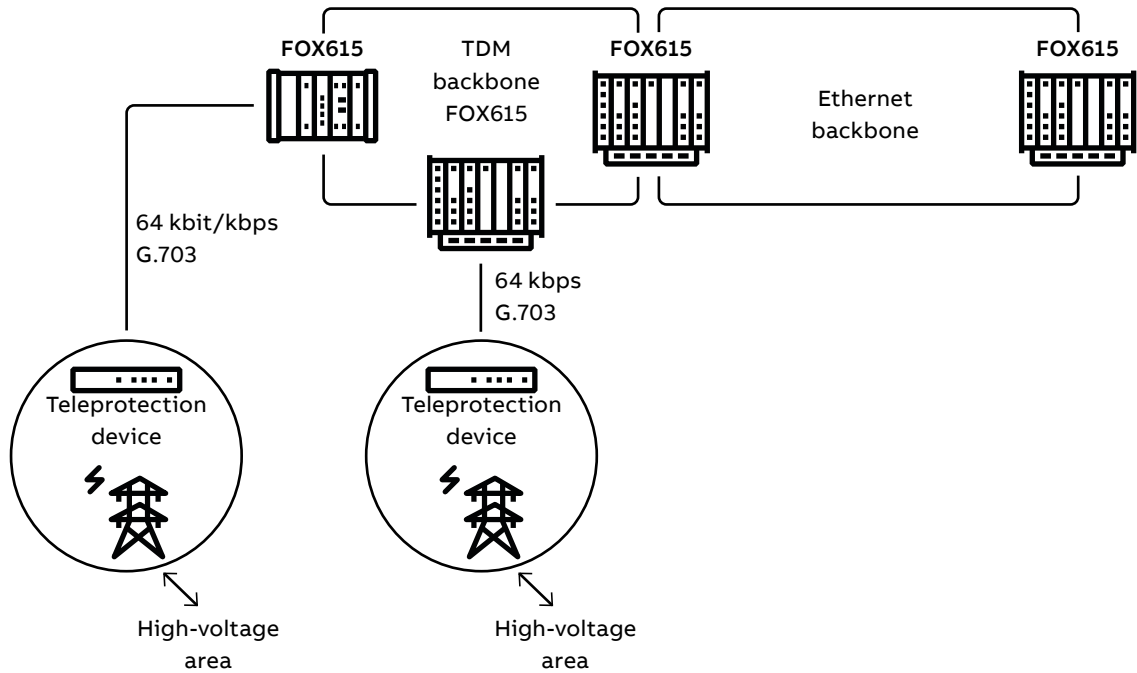
Flexible transmission

The LECO1 data can be forwarded via the various transmission technologies provided by FOX615:

- via PDH networks
- via SDH networks
- via Ethernet networks with circuit emulation
- via SHDSL paths

Management

The management of LECO1 and other functions are integrated in the FOXCAST/FOXMAN management system. Just one single element manager for all types of service speeds up the job control process. This powerful and easy-to-use element manager offers efficient OAM&P (Operation, Administration, Maintenance and Provisioning) and lower running costs.



Technical data

Interface	
Number of interfaces	8
Type of interface	G.703, 64 kbps codirectional One wire pair per transmission direction
Front connector type	DIN 41612
Line impedance	120 ohm symmetrical
Standards	
ITU-T standard	G.703 (11/2001)
	ETSI EN 300 417-5-1 V1.2.1 (2001-10) ETSI EN 300 417-2-1 V1.2.1 (2001-10) ETSI EN 300 417-1-1 V1.2.1 (2001-10)
ETSI	EN 300 166 V1.2.1 (2001-09)
Performance monitoring	According to ITU-T G.826
Further Features	
Protection functions	1+1 Linear Trail Protection 1+1 inherently monitored Subnetwork Connection Protection (SNCP/I)
Switching time	< 50 ms
Further Hardware Information	
MTBF	109 years at 35 °C
TDM bus access	4 x P12
Management	
ECST	For local management
UNEM	For central management
Power Supply	
Input voltage nominal (min/max)	-48/-60 V DC (-39.5 V DC ... -72 V DC)
Operation Environment	
Temperature range and humidity	According to FOX615 environmental specifications