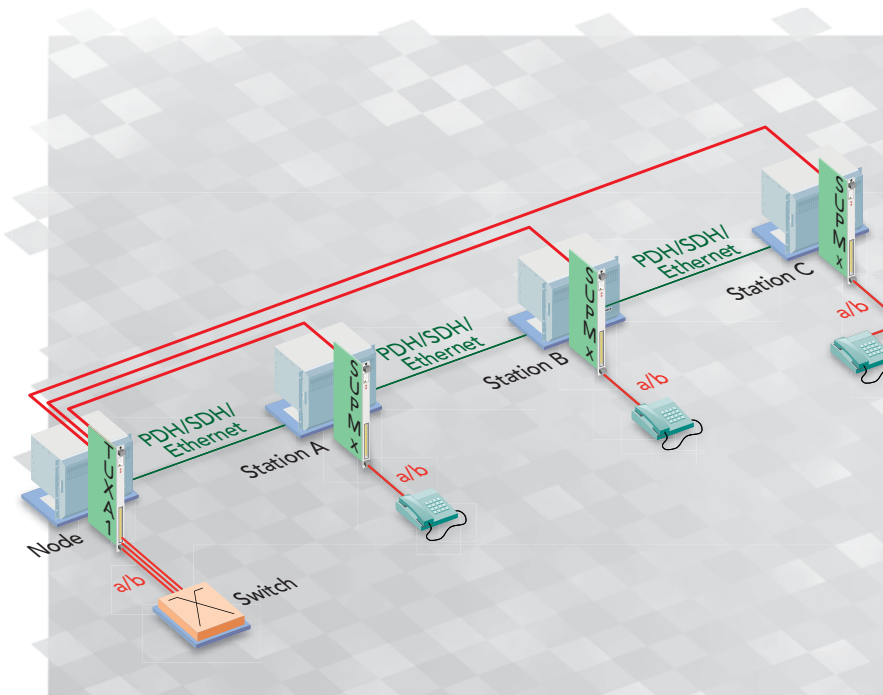


MileGate TUXA1

POTS unit with 12 Foreign eXchange Office (FXO) ports



Applications with TUXA1

- 12-port FXO 2-wire ports for the connection of remote subscriber
- DTMF and pulse dialling
- CLIP support
- Supports 1+1 path protection
- Configurable voice levels
- Configurable signalling Bits
- Configurable line impedance
- All functions from one network management system

The POTS FXO unit TUXA1 provides up to 12 FXO ports for the connection of remote subscriber. Its wide range of configurable parameters ensure easy and reliable interoperability with a large variety of exchanges.

With the multi-service capabilities of MileGate, TUXA1 signalling and voice data can be transmitted via PDH, SDH or Ethernet.

■ Voice Function

TUXA1 converts voice and signalling from the exchange for the digital transmission in the access network and recreates voice and signalling from the digital access network for the analogue exchange interface.

■ Legacy Voice Services in an NGN Infrastructure

In connection with the circuit-emulation unit CEOP1 in MileGate, the TUXA1 supports the transport of legacy voice and signalling data via packet networks, using one single platform.

■ Protection Functions

TUXA1 supports different protection mechanisms, ensuring that the delivered service persists in case of a failure in subnetworks:

- 1+1 path protection (LTP)
- Subnetwork connection protection (SNCP/I)

■ Built-in Transmission Solution

TUXA1, in conjunction with MileGate, provides a complete solution for FXO voice services. With its wide range of available interfaces, the MileGate can easily be deployed in any type of existing network infrastructure. Voice services provided via TUXA1 can be transmitted to the network using the TDM, SDH, and Ethernet (with circuit emulation) transport technologies of the MileGate platform.

■ One Management

The management of the TUXA1 is integrated in the MCST/UNEM management system. By having one element manager for all types of services, operators will accelerate the provisioning process. This powerful and easy-to-use element manager ensures more efficient OAM&P (Operation, Administration, Maintenance and Provisioning) and lower operational costs.

Technical Data

General	
Number of FXO interfaces	12
Voice and Configuration Parameters	
CLIP	Supported
Input voice level	Configurable
Output voice level	Configurable
Line impedance	Configurable (8 commonly used impedances)
CAS pattern	Configurable for upstream and downstream signalling
Downstream Signalling	
Polarity reversal	supported
Ringing	Supported
Metering pulse	12kHz and 16kHz
Upstream Signalling	
Dialling	DTMF and pulse
On/Off-hook	Supported
Hook flash	Supported
Earth key	Supported
Protection	
1+1 path protection (LTP)	Supported
SNCP/I	Supported
Management	
MCST	For local management
UNEM	For central management
Power Supply	
Input voltage nominal (min/max)	-48/-60VDC (-40.5VDC ... -72VDC)
Operation Environment	
Temperature range and humidity	According to MileGate environmental specifications



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