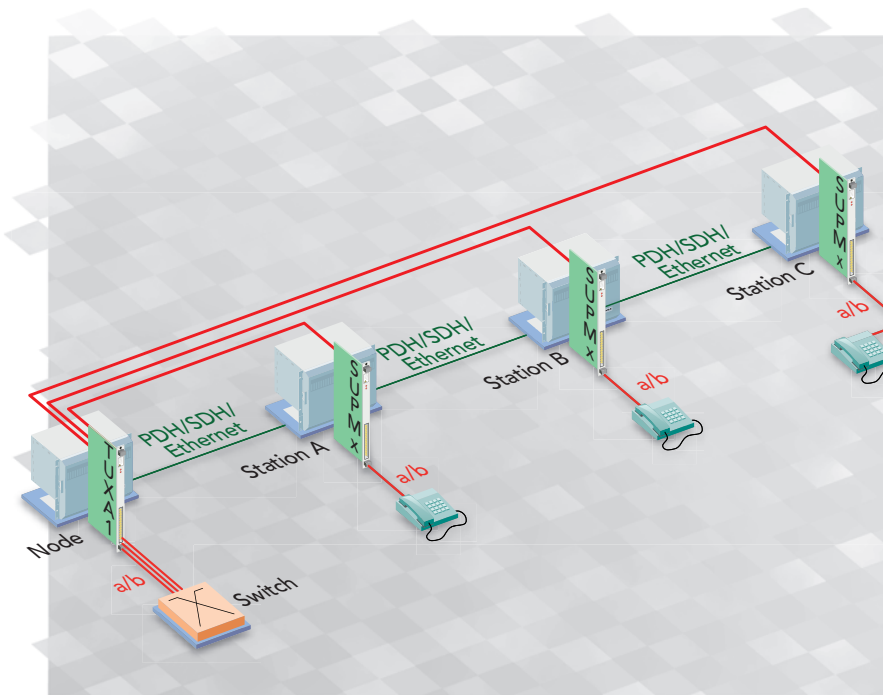


MileGate TUXA1

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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