

SUBH1/ SUBH3 POTS linecard family champions high density POTS solutions for TDM and Next Generation access networks

With 480 POTS lines in a 19" subrack, operators can deliver highly profitable voice service in the last mile.

HIGH DENSITY VOICE DELIVERY

The introduction of the new POTS linecards puts UMUX in the pole position of voice solutions in the access network. The UMUX voice solution cost effectively scales up to thousands of lines within a small footprint.

UMUX is a widely deployed voice solution today with the best track record in interoperability with the widest range of CLASS 5 switches. The SUBH linecards guarantee the same level of interoperability, with more attractive cost models.

SUBH LINECARDS

The SUBH provides feature rich POTS interfaces that connect traditional telephone subscribers to the telecommunication networks.

These universal linecards support the POTS requirements of different countries worldwide.

Two variants are available: SUBH1 and SUBH3. The SUBH1 is a one-slot unit that offers 10 lines. The higher density variant, the SUBH3 is a one-slot unit that offers 30 lines.

Both versions can be deployed in a UMUX1500 or UMUX1200.

ENHANCED LINETEST FUNCTIONS

The integrated linetest functions on the SUBH linecards enable operators to qualify a subscriber line remotely from the Network Operation Centre.

The linetests can be activated either automatically (cyclic test) or manually (on-demand test), giving operators the freedom to test as required.

IDEAL FOR PSTN AND NGN

The SUBH cards are compatible for voice delivery in the access networks of both Public Switched Telephone Networks (PSTN) and Next Generation Networks (NGN).

The same UMUX supports both TDM telephony with V5.x or CAS interface and NGN telephony with H.248/ MEGACO interface. As a result the migration from a V5 access gateway to VoIP Subscriber Media Gateway cannot be easier.

By keeping the same POTS linecards for both applications, investment in the UMUX is protected.

ALL IN ONE

In addition to high density voice, the UMUX is a multiservice access platform. All types of broadband and narrowband services are supported by a variety of interface cards.

A single UMUX performs the functions of Next Generation-DLC, Voice Gateways, DSLAM and Digital Cross Connect. Operators can be confident that with such flexibility, the UMUX is a profitable investment in different types of networks.

ONE MANAGEMENT SYSTEM

The management of the SUBH and other functions is integrated in the UCST/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 and lower operational costs.



To find out more about this product, please contact KEYMILE

Figure 1: UMUX POTS Delivery in TDM Access Networks

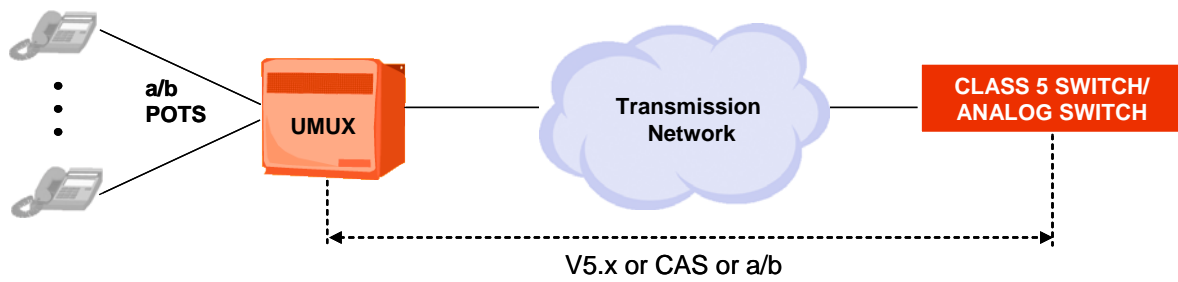
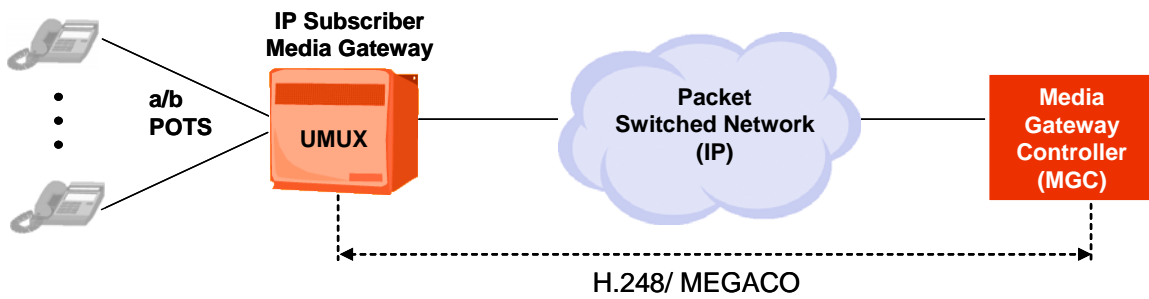


Figure 2: UMUX POTS Delivery in NGN Access Networks



Other services supported in both scenarios:

- ISDN BRA
- Narrowband data
- Broadband ADSL, G.SHDSL
- Leased Line

Unit Name	10-port POTS 30-port POTS	SUBH1 SUBH3
Mode of operation	Digital Switch Analog Switch Phone-Phone	V5, MCAS, Carrier Adaptive mode Phone-Exchange Phone-Phone
Analog Line Parameters	Line Impedance Voice encoding Dialling Loop Current Pulse Metering Polarity Reversal	Configurable A-law and μ -law DTMF and Pulse 20 to 46 mA 12/ 16kHz Supported
Integrated Line tests	Isolations tests Foreign AC/ DC voltage tests Noise tests Capacity tests	Supported Supported Supported Supported
Dimensions	Module width	1 slot (4TE)
Operating Environments	Temperature range Humidity	According to UMUX environmental spec. According to UMUX environmental spec.

TECHNICAL DATA



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