

KEYMILE UMUX 1500 - Next-Generation Multiservice Access in Action

UMUX 1500 offers multiservice without compromise, enabling operators to deliver high revenue-generating traditional and leading edge services out of a single, small-form access node.

COMPACT WHILE MULTISERVICE

The UMUX 1500 combines carrier grade multiservice delivery over copper and fibre loops with traffic multiplexing and aggregation functions within a single network element.

The services offered range from traditional telephony, broadband Internet access and private circuits to new services such as Ethernet Private Lines, Triple Play and Voice over Packet.

The UMUX 1500 offers built-in SDH (STM-1 ADM or TM), Gigabit Ethernet or ATM functionality for traffic backhaul, making it an integral part of the transport network.

Through the combination of these characteristics with a comprehensive management system and a proven simplicity of use, the UMUX solution ensures lowest cost of ownership.

APPLICATIONS

With its versatility in delivering mixed services, the UMUX 1500 is widely used as a true multiservice access node.

To meet today's broadband delivery needs, the range of services on the UMUX includes optical Ethernet, ADSL, ADSL2+ and G.SHDSL.

As a NG-DLC, the UMUX 1500 delivers broadband Internet access, broadband multimedia, POTS, ISDN and leased line services to several hundreds of residential and business subscribers.

Together with the integrated and highly flexible V5 and MEGACO interfaces, UMUX 1500 is ideal for building V5 or Next-Generation access networks. By supporting both technologies on the same node, migration from a V5 access multiplexer towards a VoIP Subscriber Media Gateway cannot be easier. Up to 480 POTS subscribers can be connected to a single node.

As a digital cross-connect system (DXC) with integrated transmission, UMUX 1500 allows for the interconnection of various networks in the carrier's environment. The cross-connect is such that 1/0 and 1/1 connections are supported up to a capacity of 128 x 2 Mbps.

In combination with KEYMILE's desktop modems, UMUX 1500 acts as a leased line hub delivering broadband and narrow-band private circuits (using G.SHDSL and HDSL) to remotely located subscribers.

SEAMLESS MIGRATION

Investing in the UMUX platform means buying in to a migration strategy that supports your needs well in to the future.

UMUX enables Next-Generation Access today and provides operators full control of their migration plan. It ensures smooth and step-wise transition from circuit based to broadband packet based networks, whilst protecting investments.

FITS INTO EVERY NETWORK

The powerful set of services and interfaces allow the UMUX 1500 to play a part in any network scenario. Furthermore, through the use of open interfaces, its compatibility with other elements of the network is assured.

UMUX 1500 is a multi-application network element for connecting existing and emerging technologies. This makes it ideally suited for public operators as well as for private operators. As hardened equipment, UMUX is perfectly suited for outdoor cabinet as well as central office deployments.

UMUX 1500 is available in a modular 19" chassis featuring 21 slots. The same chassis can be installed in an ETSI rack using rack adapters. The equipment height including cable tray is 8HU.



Contact us to find out more about the UMUX 1500.

