

UMUX 1500/UMUX 1200

Two compact subracks – optimised for all applications



UMUX 1200 (front) and UMUX 1500

- Variable designs of 4HU and 8HU
- Robust construction – suitable for employment in outdoor housings and street cabinets
- Rack (19" or ETSI) or wall mounting
- Standardised system structure
- DC and AC supply

UMUX provides comprehensive multi-service capabilities allowing operators of dedicated networks the provision of highly profitable and up to date services with only one compact multi-service access and transport system. UMUX is used in dedicated networks of railways, energy suppliers, airports, alongside of pipelines and in public telecommunication networks.

■ Compact and Multi-Service

UMUX combines the provision of carrier-grade multi-service over copper and fiber. In a single compact network element, it provides reliable and robust multiplexing and aggregation functions and connection to the transport network.

■ Data Services

UMUX provides a variety of interfaces and services. Binary contacts, sub bit rates, a variety of data interfaces (e. g. G.703, V.11, V.24, V.35) up to Ethernet 10/100BaseFX and Gigabit Ethernet with a transmission capacity of 1 Gbps are available. For business customers SHDSL is available with a variety of subscriber interfaces and optional regenerators.

■ Ethernet Services

UMUX offers a wide spectrum of Ethernet functionalities. It includes switching and routing, PoE+ and EoS. Remote units can be supplied with a remote feeding voltage of up to 30 V using PoE+. With the EoS functionality you can forward Ethernet data via SDH. You can offer Ethernet interfaces at single access points and transport data in a uniform SDH network.

With UMUX, you can use the extensive SDH safety functions and the flexibility of Ethernet in one single network element.

■ Voice Services

In addition to data and Ethernet services a wide range of specific functions makes UMUX also ideal to provide legacy POTS and ISDN services in dedicated networks. Beside voice confer-

encing directly in UMUX, special interfaces such as E&M are supported.

■ The Subracks

UMUX subracks provide the perfect solution for all applications and locations. Size and power supply are optimised for the respective application. All subracks have the same modular and flexible system architecture.

All subracks can be installed in 19" and ETSI racks.

■ UMUX 1500

UMUX 1500 is the larger UMUX subrack. It is designed for installation in a central office or big network nodes. The UMUX 1500 with a height of 8HU has 21 slots and houses redundant central controller cards and power supplies thus providing

maximum failure safety. It supports a cross connect capacity of 128 x 2Mbps as a digital 1/0- and 1/1 cross connect system.

■ UMUX 1200

UMUX 1200 is the smaller version of UMUX 1500. The UMUX 1200 provides 8 slots with its 4 HU. It is ideal for installation in network nodes with limited capacity. It can be employed as well for connection of mobile networks (e.g. GSM, UMTS). The UMUX 1200 provides a cross connect capacity of 48 x 2Mbps. In addition to the DC supply the UMUX 1200 can be equipped with an AC power supply adapter and is ready for operation with a simple main socket. UMUX 1200 is designed for either vertical or horizontal installation.

Technical Data

General	UMUX 1500	UMUX 1200
Number of ports	21	8
Powering	-40VDC ... -72VDC	-48VDC, -60VDC -115VAC, -230VAC
Mechanical Properties	UMUX 1500	UMUX 1200
Unit height (* at horizontal installation)	8U (with cable tray)	4*U
Dimensions (H x W x D)	309.5 x 483 x 242mm	176.1 x 483 x 242mm
Max. dimensions (with cable tray and front cover)	395.3 x 483 x 284mm	176.1 x 483 x 283mm
Installation	19" or ETSI rack	19" or ETSI rack wall mounting
Weight	7940g	4890g
Optional ventilation unit	FANU5	FANU2
Ambient Operating Temperature and Humidity Range		
Norm	according to ETS 300 019-1-3, class 3.2	
Temperature range (without forced ventilation)	-20°C ... +55°C	
Temperature range (with forced ventilation)	-20°C ... +70°C	
Humidity range	up to 95% (non condensing)	
Other Standards		
Electromagnetic compatibility	EN 55022, class B	
Safety	IEC/EN 60950-1	



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