

UMUX 1500/1200/900

Three compact subracks – optimised for all applications



- Variable designs from 3 HU to 8 HU
- 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 900 (left), UMUX 1200 (front) und UMUX 1500

UMUX provides comprehensive multi-service capabilities allowing operators of public and private telecommunication networks the provision of highly profitable and up to date services with only one compact Next Generation multi-service access system.

■ Compact and Multi-Service

UMUX combines carrier-grade multi-service delivery over copper and optical fibre 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 and Voice over Packet. Built-in SDH, Gigabit Ethernet and ATM functionality for traffic backhaul can make it an integral part of any transport network.

■ The Subracks

UMUX subracks provide the perfect solution for all applications and locations. Size and power supply are optimised to 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 largest subrack from the UMUX system family. Despite its large number of slots technology is bundled on a small space. It is designed for installation in a central office or a subscriber access node. The UMUX 1500 with a height of 8 HU has 21 slots and houses redundant central controller cards and power supplies thus providing maximum failure safety.

It supports max. 480 POTS or 384 ADSL2plus subscribers and provides a cross connect capacity of 128 x 2 Mbps 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 is perfect for installation in subscriber access nodes in apartment buildings or for remote nodes in rural areas. It can be employed as well for connection of mobile networks (e.g. GSM, UMTS). With its 4 HU it provides 8 slots. The system supports up to 150 POTS or 144 ADSL2plus subscribers. The UMUX 1200 provides a cross connect capacity of 48 x 2 Mbps. 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 mains socket. UMUX 1200 is designed for either vertical as well as horizontal installation.

□ UMUX 900

UMUX 900 comes with a compact design and cost efficiency. It is perfectly suited for networking of GSM, GSM-R and 3G/UMTS base stations. Typically it is mounted in installation housings in the exterior of base stations (BTS) retransmitting base station traffic via optical fibre and/or copper lines to the Base Station Controller (BSC) or Radio Network Controller (RNC). The UMUX 900 provides 6 slots in its 19" housing with 3 HU. It is designed for either vertical as well as horizontal installation.

Please don't hesitate to contact us for further information on the UMUX system family.

Technical data

General	UMUX 1500	UMUX 1200	UMUX 900
Number of slots	21	8	6
Powering	-40 VDC ... -72 VDC	-48 VDC, -60 VDC -115 VAC, -230 VAC	-48 VDC, -60 VDC
Mechanical properties			
Unit height (* at horizontal installation)	8 HU (with cable tray)	4* HU	3* HU
Dimensions (H x W x D) in mm	309.5 x 483 x 242	176.1 x 483 x 242	129.9 x 483 x 242
Max. dimensions (with cable tray and front cover) in mm	395.3 x 483 x 284	176.1 x 483 x 283	129.9 x 483 x 283
Installation	19"/ETSI rack	19"/ETSI rack wall mounting	19"/ETSI rack, wall mounting
Weight	7940 g	4890 g	4100 g
Optional ventilation unit	FANU5	FANU2	FANU3
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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