



CENTRAL UNIT

Multikom IP

The new control unit in comparison with the older solution, i.e. the Multikom 2 system, has a different logical architecture and much greater switching capabilities. It is so called "soft-switch" based on the latest generation of signal processors, working natively in IP technology. In one 1U rack casing there is a possibility of installing a doubled central unit of the system and additionally two expansion cards. In case of necessity to expand the system, there are next installed cassettes of extension cards connected together in a stack.

All peripherals communicating with Multikom IP system via IP protocol i.e. dispatcher consoles, local and remote radiotelephone controllers, VoIP telephony networks, digital radio communication systems networks (DMR, TETRA, NEXEDGE and others) do not require any additional expansion cards in the system and all voice and control commutation is done at the central unit level.



AUDIO SWITCH

It uses the latest generation of signal processors processing audio domain of the software (softswitch). This solution ensures high stability, native use of IP network and at the same time guarantees very low delays during audio transmission. Multikom IP is equipped with connectors for CAN and PCM buses, which enables connection of additional modules for digital synchronous interfaces such as E1, ISDN, QSIG.

HARDWARE

HOT SWAP hardware design to allow replacement of damaged components during full operation. The basic mechanical design is for a 19" rack with a height of 1U. It is possible to use 2 control units and 2 expansion modules.

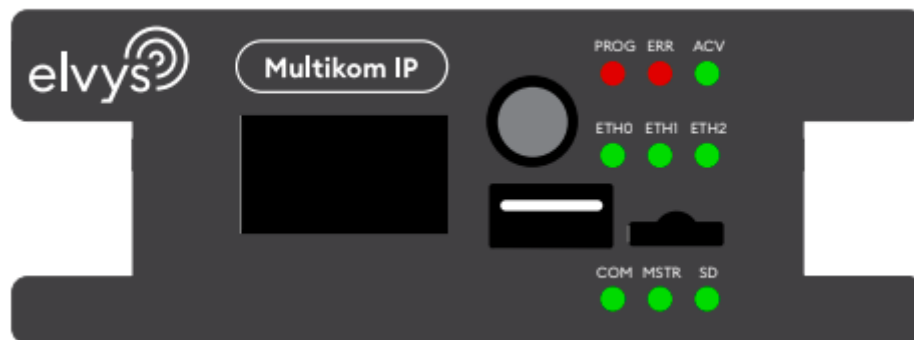
RECORDING

Multikom IP includes an integrated multi-channel recording module that records all calls and voice communications completed by Multikom IP along with identifiers. The records can be accessed directly through the Unikom console or through a separate application that connects via IP protocol to the console.

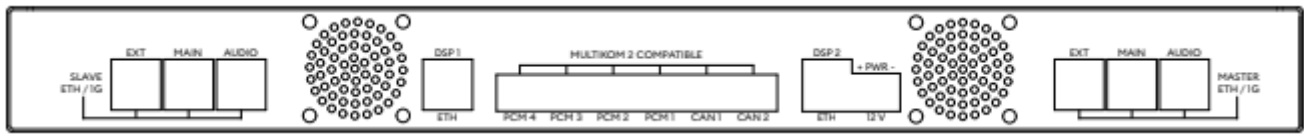
TECHNICAL PARAMETERS

Input voltage	12V
Consumption of one central unit	max. 1A
External dimensions (HxWxD)	445x38x236mm
Design	19" rack, 1U height
Weight (fully occupied module)	<4 kg
Main Ethernet	100/1000 Mbps
Ext Ethernet	100/1000 Mbps
Audio Ethernet	1 Gbps
DSP 1 Ethernet (optional)	1 Gbps
DSP 2 Ethernet (optional)	1 Gbps
Synchronous interfaces	PCM, CAN
Integrated recording device	4, 8, 16, 32 or 64 channels

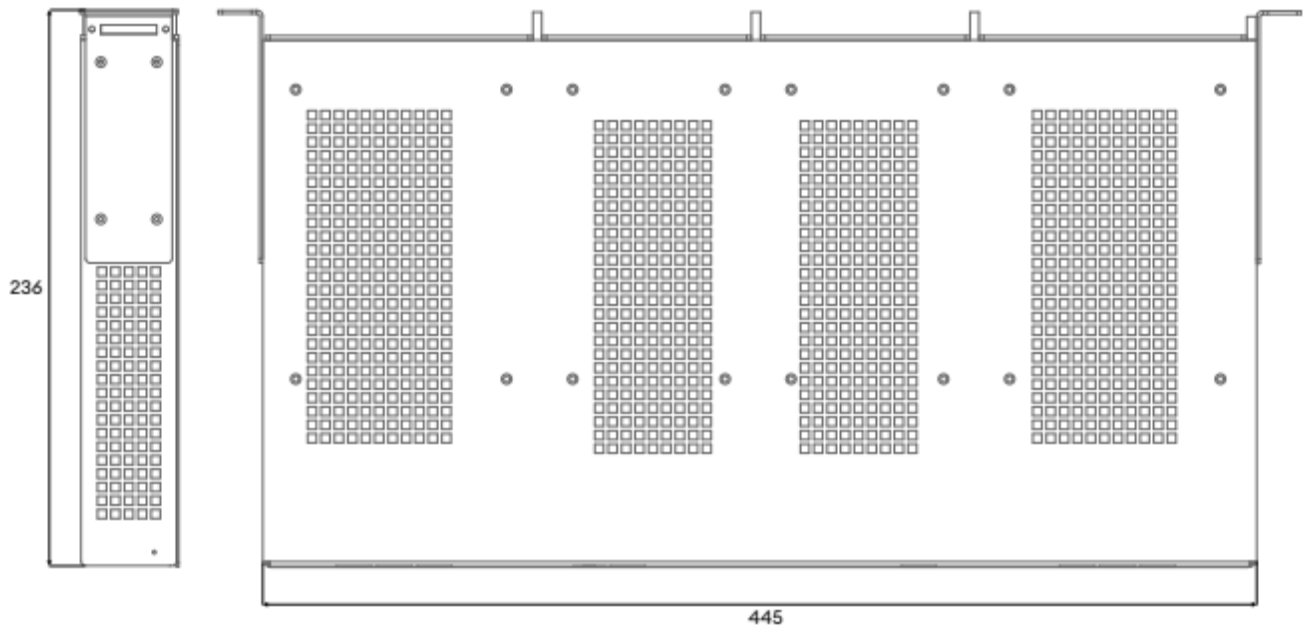
FRONT PANEL



REAR CONNECTORS



MECHANICAL DIMENSIONS IN MM



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