



BASE RADIOTELEPHONE CONTROLLER

Minikom IP Desktop

MINIKOM IP Desktop is a universal radio controller controlled from Multikom 2 and Multikom IP systems by using of IP protocol. It enables control of many types and models of remote controlled base radiotelephones thanks to which it enables access to various radio networks: analogue, EDACS, TETRA, MPT1327, MOTOTRBOTM, NEXEDGE, IDAS and other radio networks. Hardware and software developed specifically for this purpose enable the highest possible reliability.



HOT SWAP TECHNOLOGY

HOT SWAP technology and separation of the connectors from the circuit board allow you to replace damaged components without having to disconnect power to the wiring or disconnecting the entire system from the power supply, which greatly simplifies maintainability.

UNIVERSAL CONTROLLER

The Minikom IP Desktop is integrated with protocols from companies such as Motorola Solutions, Yaesu, Vertex, Kenwood, Icom, SpectraEng, Hytera, Harris, Airbus, TPRadio, Radmor or Excera among others.

The built-in PCB processor provides support for multiple radio protocol connections regardless of the base station being used. A number of features are available such as encoders/decoders for various radio standards and a signal intelligibility measurement algorithm.

LOCAL CONTROL

The controller is equipped with an LCD display, status LEDs, internal speaker and a universal control button. Elements on the front of the panels allow quick diagnosis of the current status and indicate possible failures of the controller and the control network. Using the control button, a quick configuration can be performed without the need for an external computer. It is also possible to connect an external microphone or to use the built-in microphone.

BASIC FEATURES

 Simplex and duplex operation

Built-in VoIP hardware codec (G.711, G.723, G.726, G.728, G.729)

Built-in CTCSS, DCS, Inverse DCS Tone Encoder/Decoder

Built-in encoder/decoder 5-tone signaling for all common standards (etc. ZVEI, CCIR, EEA, EIA) with possibility to define user's own for user standard

Embedded digital sea selective call encoder/decoder (DSC) and ATIS system for use on inland waterways

RSSI signaling (both in analogue and digital mode) and speech distortion/noise level recognition

Built-in VOX

Audio delay in simplex-duplex mode, e.g. during a phone call
 RADIO <-> PHONE mode

Internal and external temperature sensor

SNMP protocol support

Remote administration and monitoring

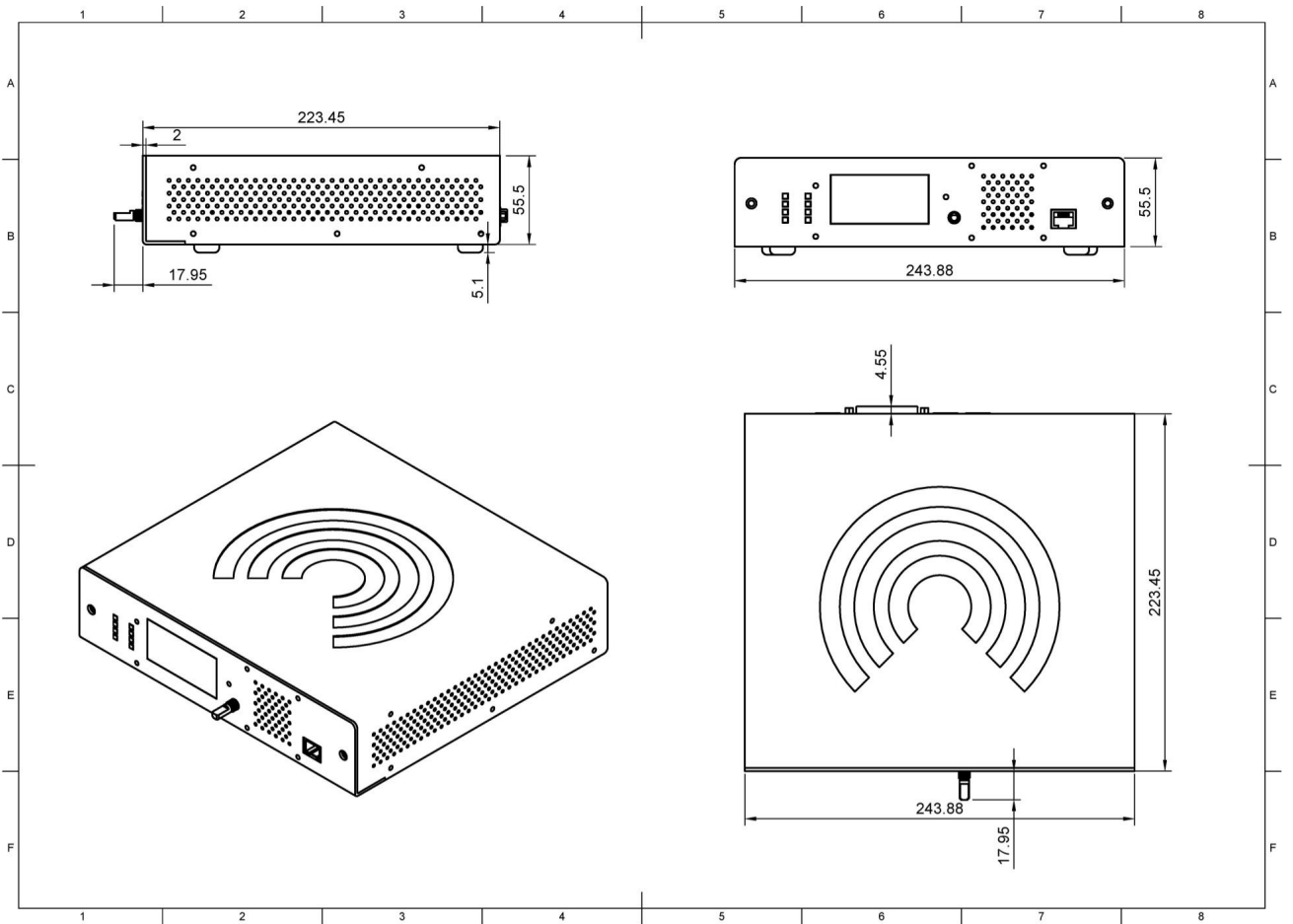
The service mode enables voice communication between the controller and site dispatching via IP network

TECHNICAL PARAMETERS

Input voltage	12V
Energy usage	850mA (1 module)
External dimensions	245x240x60 mm
Project	19" rack, 1U height
Weight	—
Ethernet	100 Mbps

GPIO inputs	3 x 12V
Operating temperature	Recommended indoor operating temperature 0°C-40°C

MECHANICAL DIMENSIONS IN MM



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