RIP23 - Radio VoIP gateway

Type designation: **RIP23**

PN (RN): **2316.100.01**

An accessory to RF2050 transceiver that provides connection between the transceiver and VoIP telephony supporting SIP protocol. Connection in the radio channel takes place in the frequency hopping mode secured by TRANSEC and COMSEC keys. RIP23 allows you to connect up to three base stations, enabling them to communicate in three independent radio channels. Selective connection to one of 98 participants or radio contact with all participants of the network can be established in all aforementioned radio channels. Simplex communication in the radio channel is controlled automatically by VOX keying (by the phone user) and PTT (by the radio network user). Notifications of free radio channels to the users are controlled by acoustic signals. RIP23 connects to LAN via standard Ethernet interface. VoIP gateway is configured via web interface by setting SIP and IP parameters. Through the web interface you can register terminal transceivers according to their own addresses in the selected registration mode.

Technical parameters

Supported audio codecs	G.711, G.722, GSM
Protocols	SIP, SDP, RTP, RTCP, STUN, TURN, ICE, DHCP, DNS, UDP, TCP, NTP
Number of ports for base transceiver	3
Number of terminal transceivers	max. 98/port
Supply voltage (from RF2050 transceiver)	9 V
Dimensions	max. 184 mm x 45 mm x 145 mm [w x h x d]
Weight	max. 1 kg
Operating temperature range	-30 °C to +70 °C
Storage temperature range	-40 °C to +70 °C

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Mechanical and climatic resistance	MIL-STD-810E
Electromagnetic compatibility	MIL-STD-461

Documentation

RIP23 operating instructions	2316.010.02
RF2050 operating instructions	2310.010.12
RF2050 short operating instructions	2310.011.12

Components

Type designation	PN (RN)	Name
RF13250E	2310.100.13	N/A
RIP23	2316.100.01	Radio VoIP gateway
	1050.620.01	AF cable
	1050.339.01	Communication cable
	1050.306.01	ETHERNET cable
	1050.126.02	Power supply cable 3 m
	2036.100.23, 2036.100.24	2.6 m VHF vehicle antenna

Accesories

Type designation	PN (RN)	Name
RF13250E	2310.100.13	N/A
	1050.620.01	AF cable
	1050.339.01	Communication cable
	1050.126.02	Power supply cable 3 m
	1050.306.01	ETHERNET cable

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	2036.100.23, 2036.100.24	2.6 m VHF vehicle antenna
	2036.100.36	Vehicle antenna VHF/UHF 2.7 m
	2036.100.40	1.88 m VHF vehicle antenna
	2036.100.38	Groundplane antenna
	2036.100.18	Discon antenna
	2036.100.20	Telescopic winch driven mast 10 m
	2036.100.39	Antenna mast
PK1302	2320.000.20	Fill gun set
RM1301	2009.100.01	Handheld microphone/speaker
RF13.3	2022.100.51	Handset
	2026.700.01	Handset holder
	2310.270.01	Cooling block
	7007.100.14	Mobile set frame
	7007.100.72	Frame
	1050.993.01	Grounding