# 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

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|---|---|
| **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

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|---|---|
| **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 |
|---|---|---|
| RF2050 | 2310.100.11 | EPM mobile transceiver |
| 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 |
|---|---|---|
| RF2050 | 2310.100.11 | EPM mobile transceiver |
| | 1050.620.01 | AF cable |
| | 1050.339.01 | Communication cable |

| | | |
|---|---|---|
| | 1050.126.02 | Power supply cable 3 m |
| | 1050.306.01 | ETHERNET cable |
| | 2036.100.23, 2036.100.24 | 2.6 m VHF vehicle antenna |
| | 2036.100.86 | Vehicle antenna VHF/UHF 2.7 m |
| | 2036.100.40 | 1.88 m VHF vehicle antenna |
| | 2036.100.38 | Groundplane antenna |
| | 2036.100.68 | Discon antenna |
| | 2036.100.70 | Telescopic winch driven mast 10 m |
| | 2036.100.39 | Antenna mast |
| PK20 | 2320.000.02 | Fill gun set |
| RM1301 | 2009.100.01 | Handheld microphone/speaker |
| RF13.3 | 2022.100.52 | 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 |