



REX 100, Ethernet router

The REX 100 industrial routers present themselves in a compact design. Nevertheless, they offer all the features you expect from a state-of-the-art remote maintenance solution.

Regardless of the manufacturer, Ethernet participants such as PLCs can be reached with the router.

The REX 100 router is systematically designed to operate in conjunction with the VPN portal myREX24: All programming and remote maintenance is carried out on the portal. Data transmission is via encrypted VPN tunnel on the basis of the secure OpenVPN protocol.

Accessories note

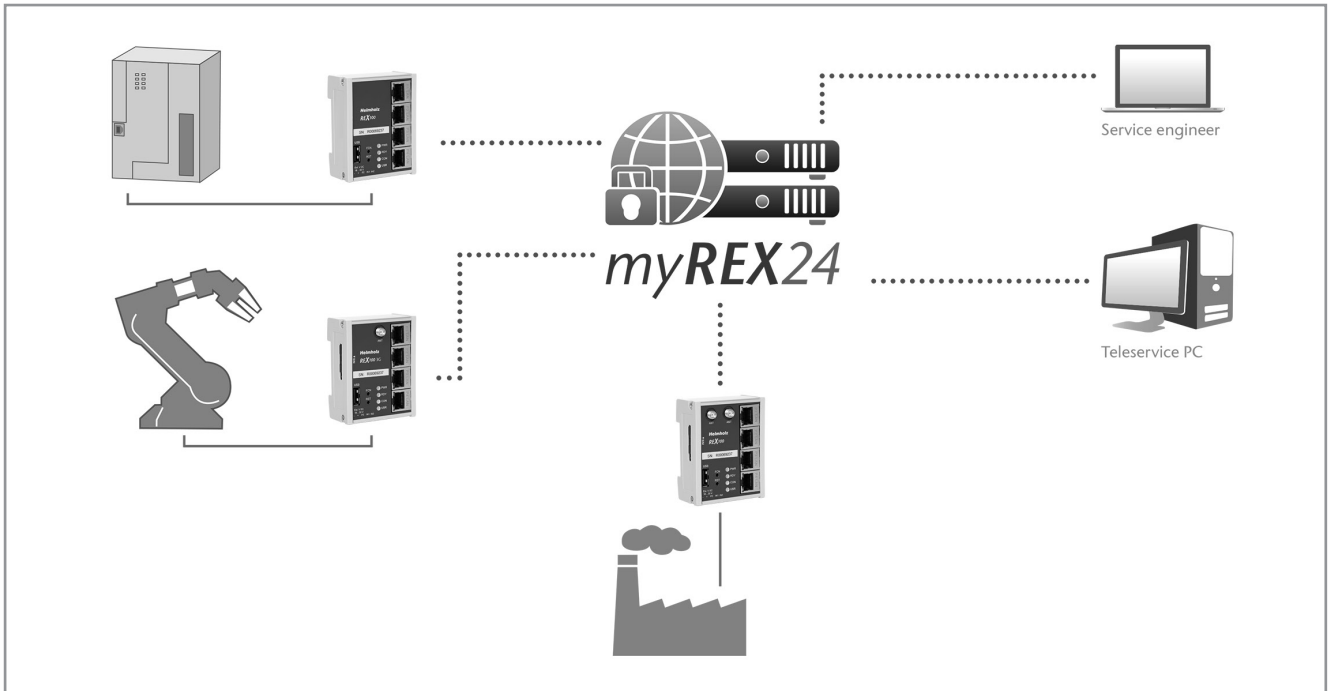
Antennas for GSM, UMTS, LTE, see ordering data; additional information and technical data can be found on page 56.

FEATURES

- Integrated 3- or 4-port LAN switch
- Space-saving compact size
- WAN/LAN, 3G/LAN or LTE/LAN variants available
- Using “CTM,” download and activate the configuration directly from the VPN portal.
- Digital inputs for establishing a connection and issuing alarms
- Integrated firewall
- 3G/UMTS, LTE (Wi-Fi in development)

ORDERING DATA

ORDERING DATA	ORDER NO.
REX 100 WAN, 3 x LAN (switch)/1 x WAN interface, incl. Quick Start Guide	700-875-WAN01
REX 100 3G, 4 x LAN (switch)/1 x 3G modem (UMTS), incl. Quick Start Guide	700-875-UMT01
REX 100 LTE, 4 x LAN (switch)/1 x LTE modem, incl. Quick Start Guide	700-875-LTE01
Stationary outdoor antenna for REX 100, GSM/UMTS/LTE, 5 m cable, SMA socket	700-751-ANT31
Magnetic base antenna, indoor, for REX 100, GSM/UMTS/LTE, 3.5 m cable, SMA socket	700-751-ANT32
MiMo wall antenna for REX 100, GSM/UMTS/LTE, 2x5 m cable, SMA sockets	700-751-ANT35



Application example for REX 100

TECHNICAL DATA	WAN	3G	LTE
Dimensions (D x W x H)	35 x 59 x 75 mm	35 x 59 x 75 mm	35 x 59 x 75 mm
Weight	250 g	270 g	270 g
Modem	—	Quad-band GPRS/EDGE data interface	LTE/HSPA/UMTS data interface
· Antenna connection	—	SMA connector (external thread)	SMA connector (external thread)
· SIM card type	—	Standard Mini-SIM, 1.8 V/3 V	Standard Mini-SIM, 1.8 V/3 V
· GSM frequency bands	—	GSM GPRS EDGE: 850, 900, 1800, 1900	GSM GPRS EDGE: 900, 1800
· UMTS frequency bands	—	UMTS HSPA+: 800/850, 900, AWS 1700, 1900, 2100	UMTS HSPA+: 850 (B5), 900 (B8), 2100 (B1)
· LTE frequency bands	—	—	LTE: 800 (B20), 1,800 (B3), 2,600 (B7)
Data transfer rates	—	HSPA+: Upload 5.76 Mbps Download 21.0 Mbps	HSPA+: Upload 5.76 Mbps Download 42.0 Mbps LTE: Upload 50 Mbps Download 100 Mbps
Number of inputs/switching point	2/DC 24 V, as per DIN EN 61131-2 Type 2	2/DC 24 V, as per DIN EN 61131-2 Type 2	2/DC 24 V, as per DIN EN 61131-2 Type 2
Routers			
· Features	Firewall, NAT/PAT, SMS wake-up	Firewall, NAT/PAT, SMS wake-up	Firewall, NAT/PAT, SMS wake-up
· VPN	OpenVPN	OpenVPN	OpenVPN
Interfaces	Three LAN 10/100 Mbps 1x WAN 10/100 Mbit/s USB 2.0 Type A port	Four 10/100 Mbps LAN ports USB 2.0 Type A port	Four 10/100 Mbps LAN ports USB 2.0 Type A port
Voltage	DC 18 V ... DC 30 V	DC 18 V ... DC 30 V	DC 18 V ... DC 30 V
Current draw	Max. 250 mA with DC 24 V	Max. 250 mA with DC 24 V	Max. 250 mA with DC 24 V
Ambient temperature	0 °C ... +55 °C (-20 °C ... +70 °C in development)	0 °C ... +55 °C (-20 °C ... +70 °C in development)	0 °C ... +55 °C (-20 °C ... +70 °C in development)
Transport and storage temperature	-20 °C ... +60 °C	-20 °C ... +60 °C	-20 °C ... +60 °C
Protection rating	IP20	IP20	IP20
Certifications	CE, GCF, FCC, PTCRB, IC	CE, GCF, FCC, PTCRB, IC	CE, GCF, FCC, PTCRB, IC