REX 100 Ethernet Router

REX 100 LTE, 3 x LAN (switch)/1 x WAN/1 x LTE-Modem (EU- & Asia-Version)

- Integrated firewall
- Digital inputs for establishing a connection and issuing alarms
- USB-over-IP
- Space-saving compact size
- Integrated 3-port LAN switch
- Additional WAN port
- Secure OpenVPN remote maintenance access via myREX24 V2 portal
- Supports all of the usual mobile communications standards and is downwards-compatible where network coverage isn't present
- With integrated LTE modem
- 5G Ready

The REX 100 routers are systematically designed to operate in conjunction with the myREX24 V2 portal: All programming and remote maintenance is carried out exclusively through the portal. With the digital inputs, alarms can be sent via the myREX24 V2 portal as SMS and e-mail. The USB host port present in all devices enables the connection of USB devices (e.g. programming port of a drive) via the remote maintenance tunnel (USB-over-IP).

The REX 100 LTE is equipped with an LTE modem with which the connection to the myREX 24 V2 portal is established. Additional Ethernet participants can be connected at the router via the integrated 3-port switch. For data transmission, our industrial router uses an encrypted VPN tunnel on the basis of the secure OpenVPN protocol.

The LTE modem used supports use in Europe and Asia. For using the router in North America, please use the "REX 100 with LTE modem for North America" (700-875-LTE11). In general, before using an LTE router, please compare the LTE frequency bands of the selected device with the supported frequency bands of the provider in the country of use. We will be happy to help you.

Please use a standard cell phone data plan when selecting a cell phone contract. Please avoid IoT tariffs, as these are often only designed for small data volumes or transmission speeds.

Technical specifications

General information	
Order number	700-875-LTE51
Article name	REX 100 LTE, 3 x LAN (switch)/1 x WAN/1 x LTE-Modem (EU- & Asia-Version)
Scope of delivery	REX 100 LTE, Quick Start Guide
Dimensions (DxWxH)	37 x 58,5 x 76,5 mm
Weight	Approx. 130 g
**Number of inputs	type**	2	24 V (DC), as per DIN EN 61131-2 Type 2
WAN interface	
Number	1
Type	10 Base-T/100 Base-T
Connection	RJ45 socket
Transmission rate	10/100 Mbps

GSM modem	
GSM-Modem	Multiband GSM/GPRS/WCDMA/LTE data interface
Antenna terminal	SMA socket (exterior thread)
SIM card type	Standard SIM, 1.8 V/3 V
GSM frequency bands	GSM 900, DCS1800
UMTS frequency bands	B8 (900), B2 (2100)
LTE frequency bands (MHz)	800 (B20), 900 (B8), 1800 (B3), 2100 (B1), 2600 (B7)
Transmit power	Class 1, E2, 3, 4
Data transmission rate	HSxPA+ (Uplink max. 5.76 Mbps | Downlink max. 42.0 Mbps); LTE (Uplink max. 50 Mbps | Downlink max. 150 Mbps)
LAN interface	
Number	3
Type	10 Base-T/100 Base-T
Connection	RJ45 socket
Transmission rate	10/100 Mbps
USB interface	
Protocol	USB 2.0 host
Connection	USB A socket
Status indicator	4 LEDs, function status 8 LEDs, Ethernet status
Voltage supply	24 V DC, 18–30 V DC
Current draw	Max. 200 mA with DC 24 V
Power dissipation	Max. 4.8 W
Ambient conditions	
Ambient temperature	-40 °C … +75°C
Transport and storage temperature	-40 °C … +85 °C
Relative air humidity	95 % r H without condensation
Pollution degree	2
Protection rating	IP20
Certifications	CE
CE	
RoHS	Yes
REACH	Yes