



Features

- ✓ Integrated firewall
- ✓ Digital inputs for establishing a connection and issuing alarms
- ✓ USB-over-IP
- ✓ Space-saving compact size
- ✓ Integrated 4-port LAN switch
- ✓ 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
- ✓ Country of operation North America

Industrial-Router REX 100 LTE (NAG)

More than just remote maintenance! With REX industrial routers, you can access all components in your machine. Set up simple alerts and use your smartphone to access services within the system - such as websites or VNC-enabled components.

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 4-port switch. For data transmission, our industrial router uses an encrypted VPN tunnel on the basis of the secure OpenVPN protocol.

This variant of the REX 100 LTE (NAG) is specially equipped with a GSM/UMTS/LTE modem for use in North America.

Note: The device are not CE marked and must not be operated or commissioned in the European Economic Area (EEA)!

The LTE modem used supports the use especially in North America, for e.g. AT&T or T-Mobile networks. The use in Verizon networks is not possible. 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 with this.

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.

General information

Order number	700-875-LTE11
Article name	REX 100 LTE, 4 x LAN (switch)/1 x LTE modem (Nordamerika-Version / „NAG“)
Scope of delivery	REX 100 LTE, Quick Start Guide
Dimensions (DxWxH)	37 x 58,5 x 76,5 mm
Weight	Approx. 130 g
Status indicator	4 LEDs, function status
	8 LEDs, Ethernet status
Voltage supply	24 V DC, 18–30 V DC

I/O

Amount	2
Type	24 V (DC), as per DIN EN 61131-2 Type 2

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	850, 1900
UMTS frequency bands	B5 (850), B2 (1900)
Transmit power	Class 1, E2, 3, 4
Data transmission rate	HSPA+ (Upload 5.76 Mbps Download 21.0 Mbps) LTE (Upload 50 Mbps Download 100 Mbps)
LTE frequency bands (MHz)	700 (B17), 850 (B5), AWS 1700 (B4), 1900 (B2), e.g. for AT&T and T-Mobile, not suitable for Verizon
FCC-ID	R17LE910NA

LAN interface

Number	4
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

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
Approvals	UL

UL

UL	UL 61010-1/ UL 61010-2-201
Pollution degree	2
Voltage supply	DC 24 V (18 ... 30 V DC, SELV and limited energy circuit)
Altitude	Up to 2,000 m
Temperature cable rating	87 °C