REX 250, Ethernet router

REX 250 LTE, 4 x LAN (switch)/1 x WAN/1 x LTE modem

- Remote access to Ethernet-enabled devices such. PLC, HMI, IP camera
- WAN, WIFI, 3G or LTE variants available
- WAN interface for fail-over operation (3G, LTE and Wifi)
- Space saving and compact
- Integrated firewall
- Integrated 4-port LAN switch
- Digital inputs and outputs for connection establishment, status display and alarm
- Easy and fast configuration via the myREX24 VPN portal
- Read, visualize and log data from PLC
- Direct connection of S7-MPI / PROFIBUS devices
- Free S7-MPI / PROFIBUS driver
- Remote control of remote devices via Internet (RS232)
- Remotely maintain USB devices over the Internet
- Dual SIM (3G and LTE)

The REX 250 routers are designed for operation in conjunction with the myREX24 V2 portal: The complete parameterization and remote maintenance is carried out via the portal. In addition to remote maintenance, the REX 250 routers can also read data from the PLC, visualize and generate alarms. For remote maintenance and data transmission, the industrial router uses an encrypted VPN tunnel based on the secure OpenVPN protocol. The REX 250 routers also enable remote maintenance and data access to PLCs via an MPI / PROFIBUS and via an RS232 interface. With the 4 digital inputs, alarms can be sent via SMS and email via the myREX24 V2 Portal. The 2 digital outputs can change the system states of the router, e.g. with a lamp on the control cabinet, or can be activated via the portal. The USB host interface available on all devices enables the connection of USB device devices (eg programming interface of a drive) via the remote maintenance tunnel (USB-over-IP).

The REX 250 LTE has an LTE modem, which connects to the myREX24 V2 portal. The WAN interface, which is also available, can form a fail-over network in conjunction with the 4G modem. The integrated 4-port switch can be used to connect the Ethernet nodes of the machine to the router on the available RJ45 ports

Technical specifications

General information	
Order number	700-878-LTE01
Article name	REX 250 LTE, 4 x LAN (switch)/1 x WAN/1 x LTE modem
Scope of delivery	REX 250 LTE, Quick Start Guide
Dimensions (DxWxH)	35 x 100 x 73 mm
Weight	Approx. 250 g
**Digital inputs	Type**	4 pieces	DIN EN 61131-2 Type 3
**Digital outputs	electricity**	2 pieces	max. 0.5 A for each output
GSM modem	
GSM-Modem	Multiband GSM/GPRS/WCDMA/LTE Data Interface
Antenna terminal	SMA socket (Male thread)
SIM card type	Standard SIM 1.8 V/3 V
GSM frequency bands	GSM/GPRS/EDGE: 850, 900, 1800, 1900
UMTS frequency bands	UMTS/HSPA: (B5)800/850, (B8)900, (B4)AWS 1700, (B2)1900, (B1)2100 class 1

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Änderungen und Irrtümer vorbehalten. 06-2019

LTE frequency bands (MHz)	B20 (800), B3 (1800), B7 (2600)
Transmit power	Class 1, E2, 3, 4
Data transmission rate	HSPA + (Upload 5.76 Mbps | Download 42.0 Mbps); LTE (Upload 50 Mbps | Download 100 Mbps)
WAN interface	
Number	1
Type	10-Base-T/100-Base-T
Connection	RJ45 socket
Transmission rate	10/100 Mbps
LAN interface	
Number	4
Type	10-Base-T/100-Base-T
Connection	RJ45 socket
Transmission rate	10/100 Mbps
USB interface	
Number	1
Protocol	USB 2.0 host
Connection	USB-A port
Serial Interface	
Type	RS-232/422/485 (software switchable)
Protocol	transparent access via virtual COM port
Transmission rate	300 bauds ... 115 k bauds
PROFIBUS interface	
Transmission rate	up to 12 Mbps
Interface	RS-232/485 (software switchable)
Connection	Socket, SUB-D, 9-pin
Status indicator	8 LEDs, function status 10 LEDs, Ethernet status
Voltage supply	24 V DC, 18... 28 V DC
Current draw	max. 90 mA at DC 24 V
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