



## REX 250, Ethernet Router

REX 250 3G, 4 x LAN (switch)/1 x WAN/1 x 3G modem (UMTS)

- 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 3G has a 3G modem (UMTS) via which the connection to the myREX24 V2 portal is established. The WAN interface, which is also available, can form a fail-over network in conjunction with the 3G 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

<b>General information</b>	
Order number	700-878-UMT01
Article name	REX 250 3G, 4 x LAN (switch)/1 x WAN/1 x 3G modem (UMTS)
Scope of delivery	REX 250 3G, Quick Start Guide
Dimensions (DxWxH)	35 x 100 x 73 mm
Weight	Approx. 250 g
<b>Digital inputs   Type</b>	4 pieces   DIN EN 61131-2 Type 3
<b>Digital outputs   electricity</b>	2 pieces   max. 0.5 A for each output
<b>GSM modem</b>	
GSM-Modem	Quadband GPRS/EDGE Data Interface
Antenna terminal	SMA socket (external 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
Transmit power	Class 1, E2, 3, 4
Data transmission rate	HSPA+ (Upload 5.76 Mbps   Download 21.0 Mbps)
<b>WAN interface</b>	
Number	1
Type	10-Base-T/100-Base-T
Connection	RJ45 socket
Transmission rate	10/100 Mbps
<b>LAN interface</b>	
Number	4
Type	10-Base-T/100-Base-T
Connection	RJ45 socket
Transmission rate	10/100 Mbps
<b>USB interface</b>	
Number	1
Protocol	USB 2.0 host
Connection	USB-A port
<b>Serial Interface</b>	
Type	RS-232/422/485 (software switchable)
Protocol	transparent access via virtual COM port
Transmission rate	300 bauds ... 115 k bauds
<b>PROFIBUS interface</b>	
Transmission rate	up to 12 Mbps
Interface	RS-232/485 (software switchable)
Connection	Socket, SUB-D, 9-pin
<b>Status indicator</b>	8 LEDs, function status 10 LEDs, Ethernet status
<b>Voltage supply</b>	24 V DC, 18... 28 V DC
<b>Current draw</b>	max. 90 mA at DC 24 V
<b>Ambient conditions</b>	
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
<b>CE</b>	
RoHS	Yes
REACH	Yes