



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

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.

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 | 700-878-LTE02 |
| 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 | B8 (900), B2 (2100) |
| 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) |
| LTE frequency bands (MHz) | 800 (B20), 900 (B8), 1800 (B3), 2100 (B1), 2600 (B7) |
| 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 |