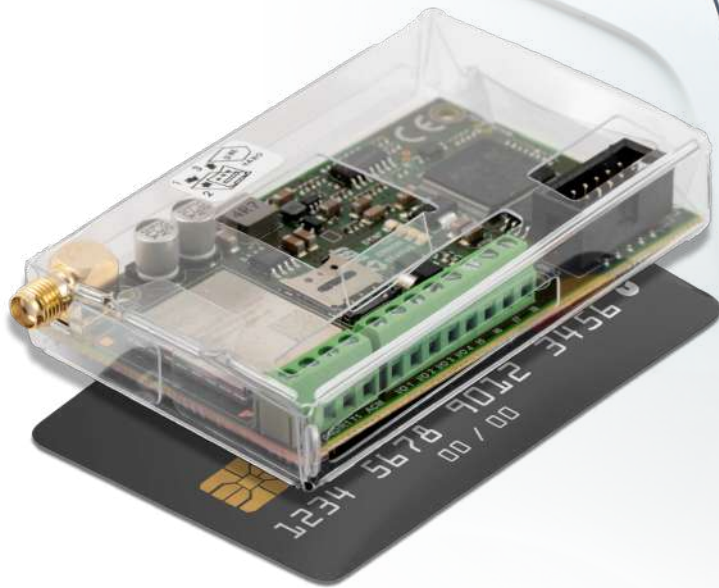




EBS LX2M-Q41

2G/4G Communicator LX2M



The LX2M-Q41 communicator is a complete communication platform used to transfer data in real time from the alarm control panel to the monitoring station using the 2G/4G cellular network. This device enables connection to the alarm control panel via the telephone line (using the control panel DTMF dialer).



PROPERTIES

Input / Output

- 4x - Inputs
- 4x - Inputs or outputs (configurable)

Output functions - possible reaction to:

- loss of cellular signal
- loss of connection to server
- incoming call from the stored number
- selected input

Configuration

- Remote: GPRS, LTE-FDD, SMS
- Local: from PC via USB or bluetooth (required MINI-PROG-BT programmer)

Status LEDs

4 LED indicators (cellular signal level, device status, DTMF communication)

Quantity of own system events stored in history

min. 5000

Data transmission security

AES encryption (GPRS, LTE-FDD, SMS)

Remote firmware update

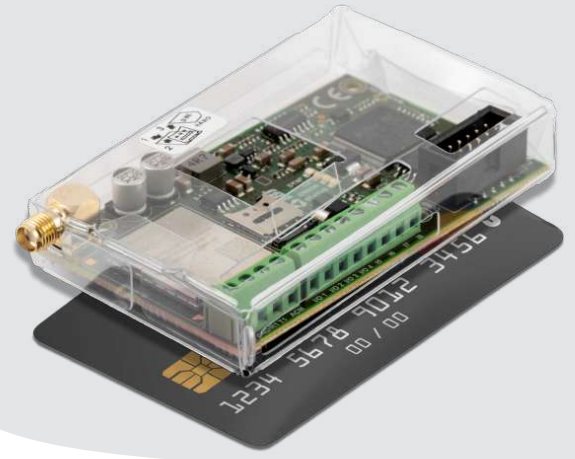
Yes





LX2M-Q41

DATA SHEET



COMMUNICATION

Transmission channels

GPRS, LTE-FDD, SMS

Card supported

Nano SIM

CELLULAR MODULE

Model

Quectel EG915U-LA

Frequencies range

Uplink MS > BTS

LTE-FDD (Band 2) 1850 – 1910 MHz
LTE-FDD (Band 3) 1710 – 1785 MHz
LTE-FDD (Band 4) 1710 – 1755 MHz
LTE-FDD (Band 5) 824 – 849 MHz
LTE-FDD (Band 7) 2500 – 2570 MHz
LTE-FDD (Band 8) 880 – 915 MHz
LTE-FDD (Band 28) 703 – 748 MHz
LTE-FDD (Band 66) 1710 – 1780 MHz
GSM850 824 – 849 MHz
EGSM900 880 – 915 MHz
DCS1800 1710 – 1785 MHz
PCS1900 1850 – 1910 MHz

Protocols supported on the phone input

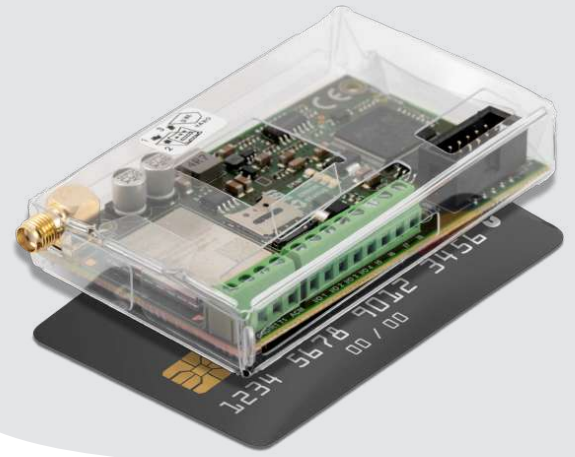
SIA, ContactID

Manufacturer

Quectel Wireless Solutions Co., Ltd. Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai 200233, China

Downlink BTS > MS

LTE-FDD (Band 2) 1930 – 1990 MHz
LTE-FDD (Band 3) 1805 – 1880 MHz
LTE-FDD (Band 4) 2110 – 2155 MHz
LTE-FDD (Band 5) 869 – 894 MHz
LTE-FDD (Band 7) 2620 – 2690 MHz
LTE-FDD (Band 8) 925 – 960 MHz
LTE-FDD (Band 28) 758 – 803 MHz
LTE-FDD (Band 66) 2110 – 2200 MHz
GSM850 869 – 894 MHz
EGSM900 925 – 960 MHz
DCS1800 1805 – 1880 MHz
PCS1900 1930 – 1990 MHz

**Transmitting Power
(50Ω load)**

LTE-FDD Class 3 (23dBm ±2dB)
GSM850 Class 4 (33dBm ±2dB)
EGSM900 Class 4 (33dBm ±2dB)
DCS1800 Class 1 (30dBm ±2dB)
PCS1900 Class 1 (30dBm ±2dB)

**Receiving Sensitivity
(typical)**

LTE-FDD (Band 2) -98.1dBm
LTE-FDD (Band 3) -98.2dBm
LTE-FDD (Band 4) -97.5dBm
LTE-FDD (Band 5) -97.4dBm
LTE-FDD (Band 7) -96.1dBm
LTE-FDD (Band 8) -97.5dBm
LTE-FDD (Band 28) -99.4dBm
LTE-FDD (Band 66) -97.9dBm
GSM850 -108dBm
EGSM900 -106.8dBm
DCS1800 -107.5dBm
PCS1900 -107.2dBm

**CERTIFICATES****ENVIRONMENTAL PARAMETERS****Temperature**

- Operating temperature range: -10°C ... +55°C
- Nominal: 20°C

Dimensions

PCB: 83mm x 50mm
Blister:
86mm x 52mm x 16mm
(antenna socket protrudes 4mm
outside of the blister)

Humidity range

5% ... 93% (without condensation)

**POWER SUPPLY****Supply voltage range**

12-14VDC (typical 13,8VDC)

Power consumption (average/max.)

60mA/300mA @13,8VDC

