

MC55iQ

Terminal



The new MC55i-Q LTE Cat M1/Cat NB2/EGPRS data terminal can be used for simple SMS alerting from a control system. It is connected via the RS232 serial interface to the control system and controlled via AT commands. The receiver only needs a simple mobile phone.

Key features & functionalities:

- LTE Cat M1/Cat NB2/EGPRS data terminal
- NB-IoT support
- Quectel BG95-M3 module integrated
- Ultra-low power consumption
- Comprehensive set of hardware-based security features
- Quectel Enhanced AT Commands



4G LTE



RS232



NB-IoT

MC55iQ Terminal

Technical Data

Product	MC55iQ	Part-No.
Model	Terminal	163241
General	Description	
Type	Wireless 4G LTE Cat M1/Cat NB2/EGPRS data terminal	x
Dimensions (W x H x D)	74 x 33 x 65 mm	x
Weight	approx. 110 g	x
Supply voltage	8 to 30 V DC	x
Operation temperature	-10 °C to +60 °C	x
Housing	Plastic	x
Protection class	IP20	x
Mounting	Tabeltop / DIN rail	x
Wireless module embedded	Quectel BG95-M3	x
Mobile		
Supporting networks	LTE Cat M1: Bands: 1, 2, 3, 4, 5, 8, 12, 13, 18, 19, 20, 25, 26, 27, 28, 66, 85 LTE Cat NB2: Bands: 1, 2, 3, 4, 5, 8, 12, 13, 18, 19, 20, 25, 26, 28, 66, 71, 85 GSM/EDGE: 850/900/1800/1900 MHz GNSS: GPS, GLONASS, BDS, Galileo	x
Transmission rates LTE Cat M1	Up to 1119 kbps uplink and 588 kbps downlink	x
Transmission rates LTE Cat NB2	Up to 158.5 kbps uplink and 127 kbps downlink	x
Transmission rates LTE Cat NB1	Up to 70 kbps uplink and 32 kbps downlink	x
Transmission rates EDGE	Up to 236.8 kbps uplink and 296 kbps downlink	x
Transmission rates GPRS	Up to 85.6 kbps uplink and 107 kbps downlink	x
Interfaces		
Power	RJ12	x
RS232	Sub-D	x
Antenna connections	SMA (female)	x
SIM-Card Holder/Reader	Mini SIM (lockable)	x
Other properties		
Protocols	PPP, TCP, UDP, SSL, TLS, FTP(S), HTTP(S), NITZ, PING, MQTT, LwM2M, CoAP, IPv6	x
SMS	Point-to-Point MO/MT, SMS Cell Broadcast, Text and PDU Mode	x
Accessoires		Part-No.
Data cable RS232	1,8 m, 9pin (male)/9pin (female)	100891
Mounting KIT	for DIN rail	100901
Power Supply (EU)	18 W AC / 12 V DC 1,5 A	100910
Power adapter	RJ12, 1,5 m, open End	160571
Magnetic antenna	GSM/UMTS/LTE 2,5 m RG174, SMA (male)	101057

Mistakes and changes are reserved.