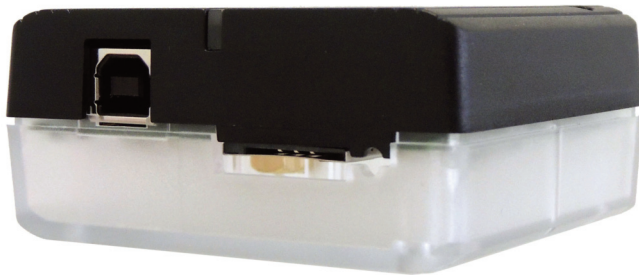


MC93M

Terminal



The MC93M data terminal supports LTE Cat M1/Cat NB2/EGPRS and integrated GNSS.

In addition, the MC93M terminal is suitable for power-restricted applications due to its low power consumption.

AT commands can be used to send data via SMS, FTP(S), HTTP(S) or MQTT, for example.

Key features & functionalities:

- Mobile data communication supporting LTE Cat M1 and others
- Quectel BG95-M3 module integrated
- AT commands control dispatch of data via SMS, FTP(S), HTTP(S), MQTT
- Powered by USB or external battery
- Ultra low power consumption
- Watchdog integrated
- GPS/GNSS (optional)



4G LTE



RS232 or RS485



USB 2.0



Watchdog integrated



GPS/GNSS (optional)

MC93M Terminal

Technical Data

Product	MC93M	Art.-No.
Model	Terminal	163079
General	Description	
Type	Wireless 4G LTE terminal	x
Dimensions (W x H x D)	74 x 33 x 65 mm	x
Weight	approx. 110 g	x
Supply voltage	8 to 30V 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	x
	Cat NB2: Bands: 1, 2, 3, 4, 5, 8, 12, 13, 18, 19, 20, 25, 28, 66, 71, 85	x
	EGPRS: 850/900/1800/1900 MHz	x
	GNSS: GPS, GLONASS, BeiDou, Galileo	x
Transmission rates LTE Cat. M1	DL/UL max. 588/1119 kbps	x
Transmission rates NB1 DL/UL	DL/UL max. 32/70 kbps	x
Transmission rates LTE Cat. NB2	DL/UL max. 127/158.5 kbps	x
Transmission rates EDGE	DL/UL max. 296/236.8 kbps	x
Transmission rates GPRS	GPRS DL/UL max. 107/85.6 kbps	x
Interfaces		
Power	RJ12	x
RS232	Sub-D	x
USB	2.0 Type B	x
Antenna	SMA (Female)	x
SIM-Card Holder/Reader	Mini SIM (lockable)	x
Other properties		
Protocols	PPP, TCP, UDP, SSL, TLS, FTP(S)/, TTP(S), NITZ, PING, MQTT, LwM2M, CoAP, IPv6	x
SMS	Point-to-Point MO/MT, SMS Cell Broadcast, Text and PDU Mode	
Accessories		Art.-No.
Portable antenna	GSM/UMTS/LTE, 50 mm, SMA (male)	101188
Magnetic base antenna	GSM/UMTS/LTE, 2 dBi, 2,5 m RG174, SMA (male)	101057
GPS antenna	GPS/GLONASS magnetic, 3m RG174, SMA (male)	101259
Power Supply	12 V DC with RJ12	100910
Power adapter	RJ12, open end, approx. 1,5 m	160571
USB cable	A/B, 1 m	100897
USB cable	A/B, 1,8 m	100898
Data cable RS232	9 pin plug / 9 pin jack, 1,5 m	100891
Mounting Kit	for DIN rail	100901

Mistakes and changes are reserved.