

Terminal MC92



The MC92 Terminal is suitable for use over LTE with fallback to UMTS, EDGE and GSM.

Using classical AT commands, e.g. sending of short messages via SMS, HTTP(S), MQTT or E-mails via SMTP can be accomplished.

Key features & functionalities:

- Terminal/Gateway with mobile 4G LTE modem
- Quectel EC21-E module integrated
- Integrated RTC (real time clock)
- Metal housing
- Industrial platform



4G LTE



RS232



Integrated
real time clock



USB 2.0
(optional)



GPS/GNSS
(optional)

Technical Data

MC92 Terminal

Product	MC92	
Model	Terminal	
General	Description	
Type	Wireless 4G LTE Cat 1 terminal with UMTS, GSM EDGE Fallback	x
Dimensions (W x H x D)	44 x 105 x 84mm	x
Weight	270g	x
Supply voltage	8 to 30V DC	x
Operation temperature	-10°C to +60°C	x
Housing	Aluminium	x
Protection class	IP40	x
Mounting	Tabeltop / DIN rail	x
Wireless module embedded	Quectel EC21-E	x
Mobile		
Supporting networks	LTE FDD: B1/B3/B5/B7/B8/B20 HSDPA/HSUPA/HSPA+ (3G): Band 1,5,8, all bands with diversity GSM/GPRS/EDGE (2G): Band 3,8	x
Transmission rates LTE	Up to 5 Mbps uplink and 10 Mbps downlink	x
Transmission rates HSPA+	Up to 5.76 Mbps uplink and 21.6 Mbps downlink	x
Transmission rates EDGE	Up to 236.8 kbps uplink and 236.8 kbps downlink	x
Transmission rates GPRS	Up to 85.6 kbps uplink and 85.6 kbps downlink	x
Antenna connections	SMA (female)	1
Interfaces controller board (sides)		
USB	USB 2.0 Type A	Optional
RS232	DB9 (RX,TX,RTS,CTS)	1
Power	Plug-in screw-type terminal	1
LED NET	LTE (always on)	x
LED1-4	Free programmable	x
LED PWR	Power	x
GPS	GPS/GNSS	Optional
SIM	Mini SIM	x
Other properties		
RTC (Real Time Clock)	Integrated, buffered	x
Delivery includes	Description	
Top-hat rail holder	DIN rail	x
Printed documentation	Quick Guide	x

Variants/Accessories

MC92 Terminal

Variants	Part-Number
MC92 Terminal	162503
MC92 Terminal with USB	162216
MC92 Terminal with USB + GPS	162202

Accessories	Part-Number
Power supply 12VDC with Phoenix connector	100909
Top-hat rail power supply, EU approval, Input: 100 - 240 VAC, Output 24 VDC / 1.0A	100877
Serial data cable RS232 Sub D9 (female) with 3pin plug, 1 m	162500
Portable antenna, GSM/UMTS/WLAN/LTE, bendable, 163 x 22 x 7 mm, SMA (male)	101292
Portable LTE-MIMO antenna, desk/window mount, GSM/UMTS/LTE, 2 x 2m RG174 SMA (male), 137 x 151 mm	101268
Magnetic base antenna, GSM/UMTS/LTE, 3 m RG174 SMA (male), Ø 31 x 72 mm	101296
Omnidirectional antenna, wall mounting (indoor/outdoor), GSM/ISM/UMTS/LTE, length 269 mm, 5m CFD195 low loss SMA (male)	100966
Omnidirectional antenna, screw mounting, GSM/GPS/UMTS/LTE, 2 x 3 m RG174 SMA (male), Ø 81.3 x 14.6 mm	101033