

MC92

Alarm terminal



The MC92 Alarm 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.

In addition, it has the possibility to react to status information via inputs and outputs.

One application example is alarm management for technical installations:

The MC92 Alarm terminal is a cost-effective solution for detecting faults. It can monitor the operating status of equipment and send alarms as well as commands (such as an emergency shutdown).

Key features & functionalities:

- Alarm terminal with mobile 4G LTE modem
- Quectel EC21-E module integrated
- Quectel Enhanced AT Commands
- Metal housing
- Industrial platform
- Easy Configuration via MC Configurator



4G LTE



RS-232 (optional instead of RS485)



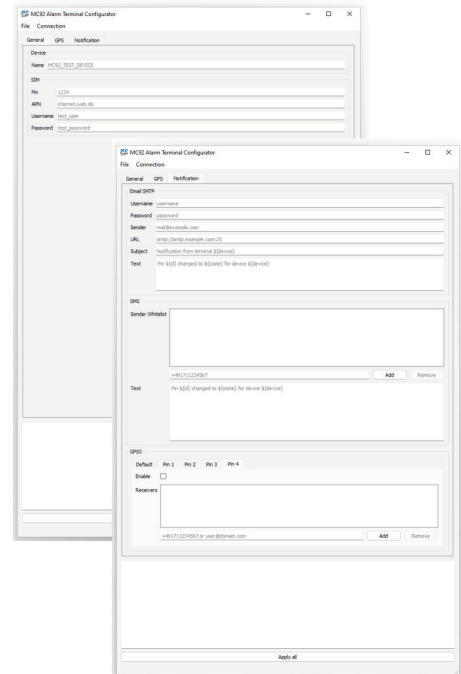
RS-485



USB 2.0 optional



2in/2out or 4in



MC92 Alarm terminal

Technical Data

Product	MC92	
Model	Alarm Terminal	
General	Description	
Type	Wireless 4G LTE Cat 1 data terminal	x
Dimensions (W x H x D)	44 x 105 x 84 mm	x
Weight	approx. 270 g	x
Supply voltage	8 to 30 V DC	x
Operation temperature	-20 °C to +60 °C	x
Housing	Aluminium	x
Protection class	IP20	x
Mounting	Tabeltop / DIN rail	x
Wireless module embedded	Quectel EC21-E	x
Mobile		
Supporting networks	LTE FDD: Bands: 1, 3, 5, 7, 8, 20 HSDPA/HSUPA/HSPA+: Bands: 1, 5, 8, all bands with diversity GSM/GPRS/EDGE: Bands: 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		
USB	USB 2.0 Type A	optional
GPIO	2in + 2out or 4in	x
RS-232	DB9 (RX, TX, RTS, CTS, DTR, DCD, RI); optional instead of RS-485	x
RS-485	Plug-in screw-type terminal	x
Power	Plug-in screw-type terminal	x
LED NET	LTE (always on)	x
LED1-4	Free programmable	x
LED PWR	Power	x
SIM	Mini SIM	x
Other properties		
Configurations	Configuration via MC Configurator (Configurator package on request)	x
Approval	CE	x
Delivery includes	Description	
Top-hat rail holder	DIN rail	x
Printed documentation	Quick Guide	x
Variants		Part-No.
MC92 Alarm terminal	2in + 2 out	162504
MC92 Alarm terminal	2in + 2 out, with USB, RS-232	194020
MC92 Alarm terminal	2in + 2 out, with USB, RS-485	162505
MC92 Alarm terminal	4in	162507
MC92 Alarm terminal	4in, with USB	162508
Accessories	Description	
Top-hat rail power supply	12 V DC with Phoenix connector	100909
Power supply	EU approval, Input: 100 - 240 V AC, Output 24 V DC / 1.0A	100877
Serial data cable	RS-232 Sub D9 (female) / Sub D (female), 2 m	163676
USB Cable	A/B, 1 m	100897
USB Cable	A/B, 1,8 m	100898
Portable antenna	GSM/UMTS/WLAN/LTE, bendable, 163 x 22 x 7 mm, SMA (male)	101292
Portable LTE-MIMO antenna	Desk/window mount, 5G/4G/MIMO/3G/2G, 2 x 2 m RG174 SMA (male)	193600
Magnetic base antenna	GSM/UMTS/LTE, 3 m RG174 SMA (male), Ø 31 x 72 mm	101296
Omnidirectional antenna	Wall mounting (indoor/outdoor), 5G/4G/3G/2G, 3 m LL195 cable, Rod length 220 mm / Ø 16 mm, SMA (male)	193620

Mistakes and changes are reserved.