

MC92

Mobile data terminal

4G LTE Cat 1 data terminal



The MC92 data 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 SMTP can be accomplished.

In addition, the MC92 Gateway has the possibility to react to status information via inputs and outputs.

Key Features:

- Quectel EC21 LTE Cat 1 module with UMTS/GSM/EDGE fallback
- Interfaces:
 - Power supply, lockable SIM holder, SMA antenna connector (female), RS232 (V.24/V.28 on sub-D)
 - Optional: RS485 (with GPIO 2in/2out or 4in) instead of RS232
 - Optional: USB-Port
 - Extensions possible via internal board-to-board connections
- Supply voltage: 8 to 30V DC
- Integrated RTC (real time clock)
- Extended temperature range
- Industrial platform
- Mounting on the DIN rail or as a desktop unit
- Metal housing
- Optional GPS/GNSS

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General	Description	Part-No.								
		162503	162216	162202	162504	162505	162506	162507	162508	162509
Type	Wireless 4G LTE Cat 1 gateway with UMTS, GSM EDGE Fallback	x	x	x	x	x	x	x	x	x
Dimensions (W x H x D)	44 x 105 x 84mm	x	x	x	x	x	x	x	x	x
Supply voltage	8 to 30V DC	x	x	x	x	x	x	x	x	x
Operation temperature	-20°C to +70°C	x	x	x	x	x	x	x	x	x
Storage temperature	-25 °C to +100 °C	x	x	x	x	x	x	x	x	x
Housing	Aluminium	x	x	x	x	x	x	x	x	x
Mounting	Tabeltop / DIN rail	x	x	x	x	x	x	x	x	x
Mobile										
Supporting networks	LTE FDD: B1/B3/B5/B7/B8/B20	x	x	x	x	x	x	x	x	x
	UMTS: B1/B5/B8	x	x	x	x	x	x	x	x	x
	GSM/EDGE: B3/B8	x	x	x	x	x	x	x	x	x
LTE-FDD Data Rate (Mbps)	Max 10M (DL)/ 5M (UL)	x	x	x	x	x	x	x	x	x
DC-HSPA+ Data Rate (Mbps)	Max 42M (DL)/ 5.76M (UL)	x	x	x	x	x	x	x	x	x
WCDMA Data Rate (Kbps)	Max 384k (DL)/ 384k (UL)	x	x	x	x	x	x	x	x	x
EDGE Data Rate (Kbps)	Max 296k (DL)/ 236.8k (UL)	x	x	x	x	x	x	x	x	x
GPRS Data Rate (Kbps)	Max 107k (DL)/ 85.6k (UL)	x	x	x	x	x	x	x	x	x
Antenna connections	SMA (female)	x	x	x	x	x	x	x	x	x
GPS/GNSS		-	-	x	-	-	x	-	-	x
Interfaces										
RS232	RS232 (9 Sub-D)	x	x	x	-	-	-	-	-	-
RS485	Plug-in screw-type terminal	-	-	-	x	x	x	x	x	x
GPIO	2in + 2out	-	-	-	x	x	x	-	-	-
GPIO	4in	-	-	x	-	-	-	x	x	x
USB		-	x	x	-	x	x	-	x	x
LED NET	Mobile radio status	x	x	x	x	x	x	x	x	x
LED 1-4	Free programmable for QuecOpen applications	x	x	x	x	x	x	x	x	x
LED PWR	Power on/off	x	x	x	x	x	x	x	x	x
Power	Plug-in screw-type terminal	x	x	x	x	x	x	x	x	x
SIM	Mini-SIM (opt. embedded SIM)	x	x	x	x	x	x	x	x	x
Other properties										
RTC (Real Time Clock)	Integrated, buffered	x	x	x	x	x	x	x	x	x
Delivery includes										
DIN Mount	Clip-in for DIN Rail	x	x	x	x	x	x	x	x	x
Printed documentation	Quick Guide	x	x	x	x	x	x	x	x	x

Mistakes and changes are reserved.