

MC89 LTE Terminal



The MC89 is a 4G LTE Cat1 LTE Terminal, optimized for M2M IoT Solutions powered by Java™.

Examples of use are Telemetry of vending machines for recording sales transactions, control of passenger information displays and remote maintenance and monitoring of plant machines.

Key features & functionalities:

- Cinterion® ELS61-E Rel. 2 embedded
- 4G LTE Cat 1
- Java™ ME 3.2
- RLS monitoring (jamming detection)
- Integrated FOTA, configurable and free of charge
- Hardware watchdog



4G LTE



RS232



USB



Java™ ME 3.2



Watchdog

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Technical Data

Product	MC89 LTE	Part-No.
Model	Terminal	162705
General		
Description		
Type	Wireless 4G LTE Cat 1 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 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	Cinterion ELS61 Rel. 2	x
Mobile		
Supporting networks	Penta-Band LTE: Bands 1, 3, 8, 20, 28 Dual-Band UMTS/HSPA+: Bands 8, 1 Dual-Band GSM: 900 and 1800 MHz	x
Transmission rates LTE	Up to 10.2 Mbps uplink and 5.2 Mbps downlink	x
Transmission rates GPRS	Up to 85.6 kbps uplink and 85.6 kbps downlink	x
Interfaces		
Power	RJ12	x
RS232	Sub-D	x
USB	2.0 highspeed interface up to 480 Mbps	x
LEDs	6 programmable LED's	x
Antenna connections	FME (male)	x
SIM-Card Holder/Reader	Mini SIM (lockable)	x
Other properties		
Protocols	TCP/UDP server/client, DNS, Ping, HTTP, SMTP, FTP client	x
Java™ ME 3.2	Secure data transmission with HTTPS/SSL, Multi-threading programming and Multi-Application execution, 18 MB RAM and 31 MB Flash File System	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
USB Cable	A/B, 1 m	100897
USB Cable	A/B, 1,8 m	100898
Mounting KIT	for DIN rail	100901
Power Supply (EU)	18 W AC / 12 V DC 1,5A	100910
Power adapter	RJ12, 1,5 m, open End	160571
Magnetic antenna	GSM/UMTS/LTE 2,5 m RG174, SMA (male) - Can only be used in combination with adapter 160585	101057
Adapter NI-127 A	Antenna adapter: FME (female) - SMA (female)	160585

Mistakes and changes are reserved.