

MC Technologies MC89 „basic“ Terminal



2G M2M Gateway, powered by Java™



General features:

- Cinterion® BGS5 embedded
- Quadband GSM850/900/1800/1900 MHz 3GPPRelease 6
- GPRS multi-slot class 12
- Compliant to GSM phase 2/2+
- Output power
Class 4 (2W) for GSM 850 and GSM 900
Class 1 (1W) for GSM 1800 and GSM 1900
- SIM Application Toolkit, class 3
- Control via standardized and extended AT commands (Hayes, TS 27.007 + 27.005)
- TCP/IP stack access via AT command and transparent TCP services
- Secure Connection for client IP services
- Internet Services TCP/UDP server/client, DNS, Ping, FTP client, HTTP client
- Supply voltage range: 8 - 30V
- Operational temperature range: -30 °C to +75 °C
- Dimensions: 65x74x33mm
- Weight: approx. 110g
- DIN rail mounting
- Screw fixing

Java™ Open Platform features:

- Java™ ME 3.2
- Secure data transmission with HTTPS/SSL
- Multi-threading programming and Multi-Application execution
- 5 MB RAM and 10 MB Flash File System

Special features:

- USB interface supports multiple composite modes and a Linux-/Mac- compliant mode
- Firmware update via USB and serial interface
- Real time clock with alarm functionality
- Multiplexer according 3GPP TS 27.010
- RLS Monitoring (Jamming detection)
- Informal Network Scan
- Hardware watchdog
- Integrated FOTA, configurable and royalty free

Specification for data:

- GPRS Class 12 data rates
DL: max. 85.6 kbps, UL: max. 85.6 kbps, Mobile Station Class B
- CSD data transmission up to 9.6 kbps, V.110, non-transparent
- USSD support
- SMS text and PDU mode support

Approvals:

- R&TTE, CE
- WEEE, EuP, RoHS and REACH compliant

Interfaces:

- Power connector 6-pole Western jack
- Mini SIM card reader, 1,8V and 3,0V
- Antenna connector FME (male)
- 2 operating status LED's
- 6 programmable LED's
- USB 2.0 HS interface up to 480 Mbps
- V.24/ V.28 RS-232 interface (D-sub 9-pole female socket) 920kbps, auto bauding
- **RS-485**
- **Multi Drop Bus (MDB) for vending machines**
- **Digital and analog GPIOs**
- **Any customer specific interface possible**

Driver:

- USB, MUX driver for Microsoft® Windows XP™, Vista™ and 7™
- RIL, USB driver for Microsoft® Windows Embedded Handheld™ >= 6.x
- MUX driver for Microsoft® Windows XP™, Vista™ and 7™

MC Technologies MC89 „basic“ Terminal und Zubehör

Artikelbezeichnung	Artikel-Nr.
MC89 basic Terminal - Made by MC Technologies -	MC1213889-BASIC-TERM
Netzteil incl. Anschlußleitung / EU-Stecker - auch mit UK- oder US-Stecker lieferbar	MC1213114-45-EU
Stromkabel / offenes Ende, 6-adrig, ca. 1,5m	MC1213115
12-24V KFZ-Adapter, 1,5m Kabel	MC1213116
Datenkabel 1,8m, 9pol. Stecker - 9pol. Buchse	MC1213226
USB-Standardkabel A/B, 1m	MC1213229-1
USB-Standardkabel A/B, 2m	MC1213229-2
12V Akkupack	MC1213152
Hutschienen-Halterung inkl. 2 Befestigungsschrauben	Mounting Kit TC/MC



Netzteil



12V Akkupack



USB-Standardkabel



Hutschienen-Halterung (mit Terminal)