

# MC Technologies PLS8-E Terminal

## Pentaband 4G Industrial Gateway Supply voltage range 8-60V



### General features:

- Cinterion® PLS8-E embedded
- Pentaband LTE: 800/900/1800/2100/2600 MHz; FDD-Band (20,8,3,7,1); Triband UMTS (WCDMA): 900/1800/2100 MHz; FDD-Band (8,3,1); Dualband GSM/GPRS/EDGE: 900/1800 MHz
- LTE (FDD 3GPP Release 9, 2x2 DL-MIMO)
- UMTS/HSPA (FDD) 3GPP Release 8 Rx diversity
- GSM/GPRS/EDGE 3GPP Release 6 DARP/SAIC
- SIM Application Toolkit, 3GPP release 99
- Control via AT commands (Hayes, TS 27.007, TS 27.005)
- Fully integrated GPS/GLONASS solution (Qualcomm gpsOne Gen8A)
- **Supply voltage range 8 - 60V**
- Operational ambient temperature range: -30°C to +64°C
- Dimensions: 65 x 74 x 33mm
- Weight: approx. 110g

### Specifications:

- LTE Cat. 3: DL: max. 100 Mbps, UL: max. 50 Mbps, 2x2 DL MIMO
- HSPA+: DL Cat.24 / UL Cat. 6, Dual Carrier DL: max. 42 Mbps, UL: max. 5.76 Mbps
- EDGE Class 12 data rates: DL: max. 237 kbps, UL: max. 237 kbps
- GPRS Class 12 data rates: DL: max. 85.6 kbps, UL: max. 85.6 kbps
- Supplementary services & USSD support
- SMS text and PDU mode

### Special features:

- USB interface supports multiple composite modes and a Linux-/Mac- compliant mode
- Firmware update via USB
- BIP (Bearer Independent Protocol)
- IP services (Client & server, TCP/IP & UDP, transparent & nontransparent)
- Multiplexer according to 3GPP TS 27.010

### GNSS features:

- Standalone GPS and GLONASS
- GNSS dedicated AT commands
- A/GPS support: standalone, XTRA®, CP E911
- Protocol: NMEA-0183 V2.3
- Option for temporary NMEA stream buffering
- Tracking Sensitivity: better than -158 dBm

### Drivers:

- NDIS/USB driver for Microsoft® Windows Mobile™, Windows Vista™, Windows 7™ and Windows 8™
- USB driver for Microsoft® Windows Embedded Compact™
- RIL driver for devices based on Android OS™
- CDC-ACM compliant mode for Linux

### Interfaces:

- Power connector 6-pole Western jack
- Mini SIM card reader, 1,8V and 3,0V
- Antenna connector SMA (female)
- Antenna connector FME (male)
- 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

### Approvals:

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

## MC Technologies PLS8-E Terminal and accessories

Article description	Article-No.
PLS8-E Terminal - Made by MC Technologies -	MC1213695-TERM
PLS8-E GPS Terminal - Made by MC Technologies -	MC1213695-TERM-GPS
Power Supply (EU) 12 VDC - 18 W with RJ12	FSP018-RJ12
Power cable Western Plug / open end, approx. 1,5m	MC1213115
Data cable 1,8m, 9 pin male - 9 pin female	MC1213226
Standard USB cable A/B, 1m	MC1213229-1
Standard USB cable A/B, 1,8m	MC1213229-2
Mounting Kit incl. 2 fixing bolts	Mounting Kit TC/MC



Power supply



Data Cable



Standard USB cable



Mounting Kit (with Terminal)