

MTX-LTE-PLS8 Terminal

LTE/UMTS (WCDMA)/HSPA+ Industrial M2M Modem



Quad Band LTE
Tri Band HSPA+
UMTS (WCDMA)



GSM
GPRS/EDGE
Quad/Dual Band



LTE Voice Support



USB 2.0
High Speed Port



Extended
Temperature
Range



Multi OS
Support



Automatic restart
after shutdown



RoHS & WEEE
compliant
Pb-free



The MTX-LTE-PLS8 terminal is a new industrial M2M family modem ready to work in 4G (LTE) and 3G (CDMA or HSPA+) networks; especially designed for applications that needs high speed data transmission rates and low latency. It's a complete 4G/3G/2G radio terminal; which integrates everything you need for wireless M2M capability in one compact plug-and-play unit. When LTE network is not present, it switches automatically to lower speed mode, such HSPA+ or EDGE or GPRS.

The MTX-LTE-PLS8 is a self contained terminal with its own SIM card reader and a USB 2.0 High Speed interface, minimizing the need for further hardware development. This terminal can be used as a powerful and flexible device that can be integrated in a wide range of telemetry applications that rely on the remote exchange of data, voice, SMS or faxes via the GSM cellular network.

Industrial featured: the MTX-LTE-PLS8 terminal can be used in industrial applications due to its extended operating temperature range. It also features an automatic restart after shutdown in case of power faulty conditions.

It is manufactured using SMD technology following ISO-9001 & ISO-14001 Quality certifications and it's RoHS/WEEE compliant. PTCRB approval in process.

MTX-LTE-PLS8 Terminal

General features

- Quad-Band LTE
 - Model MTX-LTE-PLS8-E: 800/900/1800/2600MHz, FDD-Band (20,8,3,7)
 - Model MTX-LTE-PLS8-US: 700/850/AWS[1700/2100]/1900MHz, FDD-Band (8,3,1)
- Tri-Band UMTS (WCDMA)
 - Model MTX-LTE-PLS8-E: 900/1800/2100MHz, FDD-Band (8,3,1)
 - Model MTX-LTE-PLS8-US: 850/AWS[1700/2100]/1900MHz, FDD-Band (5,4,2)
- Dual-Band GSM/GPRS/EDGE 900/1800MHz (model MTX-LTE-PLS8-E)
- Quad-Band GSM 850/900/1800/1900MHz (model MTX-LTE-PLS8-US)
- 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)
- TCP/IP stack access via AT commands
- Internet services: TCP, UDP, HTTP, FTP, SMTP, POP3
- Supply voltage range:
 - Maximum: 6.5 to 40VDC
 - Recommended: 7 to 35VDC
- Average power consumption (at 12V)
 - Power down: 0.45mA
 - LTE (LTE Data transfer Band 3 @ +23dBm): 650mA
 - WCDMA (UMTS/HSDPA Data transfer Band III @ +24dBm): 620mA
 - GPRS class 12 (average) (4Tx/1Rx): 930mA
- Operating temperature range: -30°C to +85°C
- Dimensions, excluding connectors: 78.1 x 66.8 x 37.2mm
- Weight: <190 g

Interfaces

- GSM/WCDMA/LTE FME M antenna connector
- Secondary Rx Diversity SMA F antenna connector
- USB 2.0 High Speed port up to 480Mbps
- SIM card interface 3V, 1.8V
- Plug-in power supply

Drivers

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

Specifications

- LTE Cat.3 DL: max. 100Mbps, UL: max. 50Mbps, 2x2 DL MIMO
- HSPA+ DL Cat.24/UL Cat.6, Dual Carrier DL: max. 42Mbps, UL: max. 5.76Mbps
- UMTS DL: max. 384kbps, UL: max. 384kbps
- EDGE Class 12 data rates DL: max. 237kbps, UL: max. 237kbps GPRS Class 12 data rates DL: max. 85.6kbps, UL: max. 85.6kbps
- Voice Support for LTE via CSFB (circuit-switched fall-back), prepared for VoLTE
- 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

Ordering information

- **MTX-LTE-PLS8-E**: 199801322
- **MTX-LTE-PLS8-US**: 199801352