

# MTX-LTE-PLS8

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

The MTX-LTE-PLS8 is a new industrial 4G /3G/2G modem (LTE cat. 3) with its own SIM card reader and a USB 2.0 High Speed and RS232 interface, minimizing the need for further hardware development. This modem 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 or SMS via the GSM cellular network.

The MTX-LTE-PLS8 also includes a high sensitivity GPS/GLONASS receiver for positioning or fleet management applications.

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



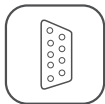
### ● MAIN FEATURES ●



LTE HSPA+  
UMTS



GPS



RS232



USB 2.0



Automatic  
restart



Multi OS  
support



Industrial  
temperature

- ⚡ DC Input: 7 to 35 Vdc
- 🌡️ Temperature range: -30° to +85°C
- 📏 Dimensions: 78.1x66.8x37.2mm
- 🐦 Weight: <190gr

Preliminary Datasheet. Subject to changes | 2017/09  
MTX © by MATRIX ELECTRONICA S.L.U.  
SUPPORT: [iotsupport@mtx2m.com](mailto:iotsupport@mtx2m.com)  
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## HARDWARE FEATURES

### MTX-LTE-PLS8 4G



**EUROPE:** penta band LTE (800, 900, 1800, 2100, 2600MHz); tri band UMTS (900, 1800, 2100MHz); dual band GSM/GPRS/EDGE (900, 1800MHz)

**US:** quad band LTE (700, 850, AWS (1700, 2100), 1900MHz); tri band UMTS (850, AWS (1700, 2100), 1900MHz); quad band GSM/GPRS/EDGE (850, 900, 1800, 1900MHz)



LTE cat.3: DL 100Mbps, UL 50Mbps



HSPA+: DL cat.24, UL cat.6; dual carrier DL 42Mbps, UL 5.76Mbps

UMTS: DL 384kbps, UL 384kbps

EDGE class 12: DL 237kbps, UL 237kbps; GPRS class 12: DL 85.6kbps, UL 85.6kbps



SMS text and PDU mode

#### General Features



SIM application toolkit, 3GPP release 99



Control via AT commands



TCP/IP stacks access via AT commands



Internet services: TCP, UDP, HTTP, FTP, SMTP, POP3

#### Interfaces



2x LTE SMA F antennae connectors



GPS SMA F antenna connector



USB 2.0 high speed port up to 48Mbps



8-wire RS232 port (Dsub9 female connector)



SIM card interface 3V, 1.8V



Plug-in power supply

#### GPS/GLONASS Features



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 -158dBm

#### 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

#### Ordering Information

MTX-LTE-PLS8-E

**TBD**

MTX-LTE-PLS8-US

**TBD**