

Gemalto PLS8 based miniPCle wireless card



Gemalto PLS8 based miniPCle is an easy to integrate data modem card designed to add cost efficient 4G wireless connectivity to industrial systems.

miniPCle card is available in 3 variants:

- simple miniPCle card
- with onboard Gemalto MIM
- with Micro - SIM card reader

GENERAL FEATURES

- PLS8-E: Five Band LTE: 800/900/1800/2100/2600 MHz, FDD-Band (20,8,3,7,1) Tri Band UMTS (WCDMA): 900/1800/2100 MHz, FDD-Band (8,3,1) Dual Band GSM/GPRS/EDGE: 900/1800 MHz
- PLS8-USQuad Band LTE: 700/850/AWS (1700/2100)/1900 MHz, FDD-Band (17,5,4,2) Tri Band UMTS (WCDMA): 850/AWS (1700/2100)/1900 MHz, FDD-Band (5,4,2) Quad Band GSM/GPRS/EDGE: 850/900/1800/1900 MHz
- LTE (FDD 3GPP Release 8/92x2 DL-MIMO)
- UMTS/HSPA (FDD) 3GPP Release 8 Rx diversity
- GSM/GPRS/EDGE 3GPP Release 6 DARP/SAIC
- Standalone GPS and GLONASS (optional)
- 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 3.3V, highly optimized for minimal power consumption
- Dimension: 51 × 30 × 4.7 mm (full mini card size)
- Operating Temperature Range: -40 °C to +85 °C
- RoHS and REACH compliant, EuP support

SPECIFICATIONS

- HSPDA Cat.8 / HSUPA Cat.6 data rates
DL: max. 7.2 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
- SMS text and PDU mode, cell broadcast

INTERFACES

- PCI Express® Mini Card system connector
 - > Supply voltage 3.3 V
 - > USB 2.0 HS interface up to 480 Mbps
 - > UICC/SIM card interface 1.8 V / 3.0 V
 - > Reset
- Antenna connector: U.FL 50 Ω

SPECIAL FEATURES

- USB interface supports multiple composite modes and a Linux-/Mac- compliant mode
- Firmware update via USB
- BIP (Bearer Independent Protocol)
- Compliant with Gemalto PLS8 module

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