

LM940

LTE 600/75 | HSPA+ 42.0/11.5 mPCI



Advanced LTE data card

The LM940 Mini PCIe (mPCIe) data card delivers high speed data rates via Advanced LTE and offers a cellular connection for products in network appliance environments. This data card is well-suited for products that demand high throughput such as routers, mobile gateways and access points, to provide the most advanced 4G LTE connectivity, ensuring a rich and seamless user experience.

Based on LTE Category 11, the LM940 mPCIe data card achieves download rates up to 600 Mbps supported by the 3GPP release 11 with MIMO and LTE Carrier Aggregation. The product supports multiple RF frequency bands and band combinations to accommodate global deployments.

Key Benefits

- Standard Mini PCIe Data-card form factor
- LTE Cat 11: Exceptionally high-speed with data rates of up to 600 Mbps download and 75 Mbps upload
- Full GNSS support
- Increased connectivity performance with Carrier Aggregation 3CA, MIMO and 256 QAM
- Up to 4 independent firmware images selectable at boot to support different network operator requirements
- 3G fallback technology

AVAILABLE FOR

EMEA

North America

Latin America

APAC

Australia



LM940

Product Features

- Form Factor: PCI Express Mini Card type (mPCIe)
- Chipset: Qualcomm MDM9240
- LTE Cat. 11 3GPP Rel. 11
 - Up to 600 Mbps DL w/3x CA DL, 256QAM DL
- HSPA+ Rel. 9
 - Up to 42/11.5 Mbps DL/UL
- Data only module
- 32 bit ARM Cortex-A7 up to 1.19 GHz running Linux operating system
- Full GNSS support: GPS, GLONASS, Galileo, Beidou
- USB drivers for Windows 7, 8x, 10 and Linux (Kernel 4.10)

Hardware and Electrical Specifications

- Dimensions: 50.95 x 30 x 2.8mm
- USB 2.0/3.0
- Two selectable SIM cards
- GPIOs
- Operating temperature range:
 - 40 °C to +85 °C
- Storage temperature range:
 - 40 °C to +85 °C
- Operating voltage:
 - 3.1V - 3.6V (Typical 3.3V)

RF Bands

- LTE FDD: 1-5, 7, 8, 12, 13, 17, 20, 25, 26, 28, 29, 30, 66
- LTE TDD: 38, 40, 41
- 3G: 1, 2, 4, 5, 8

Approvals

- FCC/IC, PTCRB, GCF (North America)
- RED/GCF (Europe)
- RCM (Australia)
- Network carriers: AT&T, Sprint, T-Mobile US, Verizon

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