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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

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LM940

Key Specifications

- Form Factor: PCI Express Mini Card type (mPCIe)
- Chipset: Qualcomm MDM9240

Modern Features

- 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

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

Other Key Features

- 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)

Temperature Range

- Operating: -40 to +85°C
- Storage: -40 to +85°C

Operating Voltage

- 3.1V – 3.6V (Typical 3.3V)

Dimension

- 50.95 x 30 x 2.8mm

Approvals

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

Interfaces

- USB 2.0/3.0
- Two selectable SIM cards
- GPIOs

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