

LM960A18

LTE 1.2/150 | DC-HSPA+ 42.0/5.76 mPCIe



Advanced LTE data card

The LM960A18 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 to provide the most advanced 4G LTE connectivity, ensuring a rich and seamless user experience.

Based on LTE Category 18, the LM960A18 mPCIe data card achieves download rates up to 1.2Gbps with 4x4 MIMO +3 CA and 1Gbps with 2x2 MIMO + 5CA. The product supports multiple RF frequency bands and band combinations to accommodate global deployments.

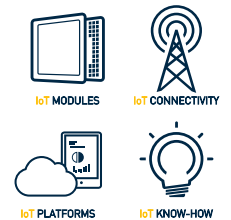
Key Benefits

- Standard Mini PCIe Data-card form factor
- LTE Cat 18: Exceptionally high-speed with data rates of up to 1.2G bps download and 150 Mbps upload
- Full GNSS support
- Support of UL with 2xCA and up to 5xCA DL with 4x4 MIMO
- Very wide LTE frequency bands support
- Up to 4 independent firmware images selectable at boot to support different network operator requirements
- 3G fallback technology

AVAILABLE FOR

EMEA
North America
APAC

Complete, Ready to Use Access to the Internet of Things



LM960A18

Key Specifications

- Form Factor: PCI Express Mini Card type (mPCIe)
- Chipset: Qualcomm SDX20

Modem Features

- Data only module
- LTE Cat. 18 3GPP Rel. 12
 - Up to 1.2 Gbs DL w/4x4 MIMO +3 CA

RF Bands

- **LTE FDD:** B1, B3, B25(B2), B66(B4), B26(B5/B18/B19), B7, B8, B12(17), B13, B14, B20, B28, B29, B30, B32, B71
- **LTE TDD:** B38, B39, B40, B41, B42, B43, B46, B48
- **3G:** B1, B2, B4, B5(B19), B8

Other Key Features

- 4x4 MIMO on 2 contiguous carrier + 2x2 MIMO on 3rd carrier
- LAA up to 60MHz
- UL 2xCA
- DL 5xCA
- **USB Drivers for Windows 7, 8.x, 10 and Linux (Kernel 4.10)**
- Full GNSS support: GPS, GLONASS, Galileo, Beidou

Temperature Range

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

Operating Voltage

- 3.1V ~ 3.6V (Typical 3.3V)

Dimensions

- 50.95 x 30 x 2.8mm

Approvals

- FCC/IC, PTCRB (North America)
- CE, GCF (Europe)
- AU (C-Tick) (Australia)
- Network carriers: AT&T, Sprint*, Telstra, T-Mobile US, Verizon, Vodafone*

* planned

Interfaces

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



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