**LM960A18**

**Gigabit LTE mPCIE**

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

The LM960A18 Mini PCI-Express (mPCIe) data card delivers high-speed data rates via LTE Advanced Pro (LTE-A Pro) 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 (Cat 18), the LM960A18 mPCIe data card achieves download rates up to 1.2 Gbps with 4x4 MIMO and 1 GBPS with 2x2 MIMO, plus 7x CA. This product supports multiple RF bands and band combinations to accommodate global deployments.

**Key Benefits**

- Standard mPCIe data card form factor
- LTE Cat 18: Exceptional high speed with data rates of up to 1.2 Gbps download and 150 Mbps upload
- Support of UL at 2xCA and up to 5xCA on DL with 4x4 MIMO, 256QAM
- Ample LTE frequency band support
- Up to four independent firmware images selectable at boot to support different network operator requirements
- 3G fallback technology
- Private LTE support (including CBRS/OnGo)

**Connecting the world from the inside out**
**LM960A18**

### Key Specifications
- **Form Factor:** mini-PCI express card type (mPCIe) revision 2.1
- **Chipset:** Qualcomm SDX20

### Modem Specifications
- **Data only module**
- **LTE Cat. 18 3GPP Rel. 12**
  - Up to 1.2 Gbps DL w/4x4 MIMO +3 CA
- **HSDPA Cat 24, HSUPA Cat 8**

### RF Bands
- **LTE FDD:** B1, B3, B25(B2), B66(B4), B26(B5/B18/B19), B7, B8, B12(B17), B13, B14(FirstNet), B20, B28, B29, B30, B32, B71
- **LTE TDD:** B38, B39, B40, B41, B42, B43, B44, B48 (CBRS/OnGo)
- **3G B1, B2, B4, B5(B19), B8, B9**

### Other Key Features
- 4x4 MIMO on two contiguous carriers plus 2x2 MIMO on third carrier
- UL up to 60 MHz
- **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 °C to +85 °C
- **Storage:** -40 °C to +85 °C

### Operating Voltage
- 3.1V - 3.6V (Typical 3.3V)

### Dimensions
- 50.95 x 30 x 2.8mm

### Approvals
- **FCC/IC, PTCRB 9 (North America)**
- **FCC Part 96 CBRS (USA)**
- **CE, GCF (Europe)**
- **AU IC-Tick (Australia)**
- **Network carriers:** AT&T, Telstra*, NTT Docomo**, T-Mobile US, Verizon
  - *Certified as Cat 16 device
  - **Certification pending**

### Interfaces
- **USB 2.0/3.0**
- Two selectable SIM cards
- GPIOs