



Expedite[®] L10-G

Quad-Band GSM/GPRS

The low cost, low power, certified M2M-grade LGA module for data and voice.

KEY FEATURES

- Low cost, compact LGA form factor
- Up to Class 12 GSM/GPRS
- Both data and voice support
- Low idle power consumption
- Extended operating temperature range
- Data features include text and binary SMS support
- Flexible audio implementation
- HDK available
- Extensive certificates accelerate time to market
- ISO Certified Manufacturer

THE EXPEDITE® L10-G: LOW COST. LOW POWER. HIGH VALUE.

The Expedite L10-G module from Novatel Wireless is a cost efficient solution bringing global Quad-Band data and voice transmission technology in an impressive compact form factor. Featuring low power consumption and up to class 12 GSM/GPRS enabled data transmission with voice capability, the Expedite L10-G combines baseband, RF transceiver, power management unit, and power amplifier in a single, easy-to-integrate solution.

EXPEDITE TIME TO MARKET

Reduce costs and expedite time to market with the fully qualified and certified Expedite L10-G. This module is suited for M2M-grade telemetry and telematics applications and environments such as: Automatic Meter Reading (AMR), Remote Monitoring Automation and Control (RMAC), surveillance and security, usage based insurance solutions, utilities transportation, mHealth, asset tracking, fleet management, anti-theft systems and Point of Sales (PoS) terminals.

EASY INTEGRATION

Novatel Wireless simplifies the integration effort with the Expedite L10-G's small footprint, best-inclass engineering services, flexible HDK support, and an extensive set of certificates. This versatile module excels in applications requiring low power consumption, extended temperatures, and audio support.

SIMPLIFY DEPLOYMENT AROUND THE GLOBE

The Expedite® L10-G is part of the Novatel Wireless Expedite Series of low-power, cost-effective M2M modules available in different variants to support a number of global carrier and partner network requirements. With proven global carrier support and best-in-class customer service, the Expedite L10-G from Novatel Wireless is the intelligent wireless solution.

TARGETED VERTICALS FOR TELEMETRY AND TELEMATICS

Security/Safety/Alarm mHealth AMR Utilities Transportation Point of Sale Terminals RMAC

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Quad-Band GSM/GPRS

WWAN

Frequency

• GSM/GPRS: 850/900/1800/1900 MHz

Bands/Class

• GPRS: up to Class 12

INTERFACES AND I/O

- USB
- UART
- Audio
- 12 GPIO

RF CONNECTION

• Board-to-board compression

VOLTAGE

• 3.3 - 4.35V

POWER

- Idle: 1.55 mA
- Airplane/Sleep: 0.9 mA
- Shut down: ,200 uA

DIMENSIONS

• 16.7 x 12.6 x 2.0 mm

AUDIO

- Digital
- Analog
 - Headset
 - Speaker/Microphone

ENVIRONMENT

- Operating Temp.: -30°C to 70°C
 Storage Temp.: -40°C to 85°C
- Relative Humidity: Up to 95% non-condensing

CERTIFICATIONS

 CE, PTCRB, GCF, FCC, IC, ROHS, ROHS 2, REACH, Conflict Mineral

SOFTWARE FEATURES

- GPIO AT Commands
- · DUN
- CMUX
- SIM Toolkit
- SMS
- Real-time Clock

DEVELOPER SUPPORT

- Integration Guide
- AT Command Documentation
- HDK
- Engineering Services

PART NUMBER

• Module: GSM0508-40



actual size





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