expedite® E396

Single Global SKU - 3G PCI Express Mini Card Embedded Module

Novatel Wireless' Expedite® E396 PCI Express Mini Card is an embedded module that can be integrated into laptops and other devices for 3G mobile data applications. Powered by the Qualcomm® MDM6600 chipset, the Expedite E396 offers high performance to the user on HSPA+ and EVDO Rev A bands with global fallback to 2G. With the network selection feature, now OEMs only need to stock a single SKU.

Mobile Broadband Data Speeds Around the Globe

3G technology provides data speeds up to 14.4 Mbps† from virtually anywhere you are in the world. The Expedite E396 3G PCI Express Mini Card empowers devices with global mobile broadband connectivity.

Anytime…Anywhere

The small cost effective Expedite E396 module leverages the HSPA+ and CDMA networks. Switching between networks enables your customers to work, play, and stay connected anytime, anywhere worldwide†.

Performance When It Counts…

High efficiency compact broadband design provides consistent throughput performance. The condensed trace routing and compact component layout increases power efficiency and decreases overall weight. WHQL certified with on/off NDIS capabilities and a complete Software Development Kit provides flexibility and expedites product development.

Advanced GOBI™ Technology

Advanced GOBI™ technology provides for standard GOBI APIs as well as QDL™,allowing the end user to select which network operator to use.

GPS Capability

Allows you to retrieve location data from GPS satellites and utilize GPS navigation and location-based applications.

Technology Revolution

Global anywhere capabilities, enhanced applications, and extended coverage provide full mobility for the fast paced world we live in.

† Network/Operator dependent.

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E396

Technical Specifications

Single Global SKU - 3G PCI Express Mini Card Embedded Module

Vendor Developer Kit
- Module not included; ordered separately.

Technology/Bands
- HSPA+/UMTS 850/900/AWS/1900/2100 MHz
- EGPRS 850/900/1800/1900 MHz
- CDMA 800/1900 MHz

Data Speeds†
- 14.4 Mbps Download (HSPA+)
- 5.76 Mbps Upload (HSPA+)
- 3.1 Mbps Download (CDMA)
- 1.8 Mbps Download (CDMA)

Advanced Technologies
- Receiver Equalization - improves performance in noisy and highly mobile environments
- Receiver Diversity - improves performance at cell edges and in buildings
- GOBI™ QDL for carrier selection

Dimensions and Weight
- PCI Express Mini Card Form Factor - F2
- Single-sided design
- Size - 51 x 30 x 3.15 mm (H x W x D)
- Weight - 10 g

Host Interface
- PCI Express Mini Card Standard Interface
- USB
- LED control
- Antenna - 50 0hm compatible

Power consumption
- Voltage 3.2-3.6 v (CDMA/HSPA)
- Voltage 3.0-3.6 v (GSM)
- Optimized for low current drain

Environmental
- Operating temperature: -30°C to 70°C (-22°F to 158°F)
- Storage temperature: -40°C to 85°C (-40°F to 185°F)

MobiLink™ Connection Manager & SDK API Features
- Text Messaging
  - Full SMS Client supporting 2-way SMS
  - Quick SMS e-mail feature
- Plug & Play
- Multiple Languages available
- Dialup Connection
- Signal strength
- Connection Status
- Auto-Connect
- Auto-Select Network
- Timers/Counters
  - Data call duration
  - Data byte count
- NDIS & EAP-SIM Support
- Address Book
- Network Profile
- Help Menu & Self Diagnostics
- Power Management – standby & hibernate selective suspend
- DIAG & AT Commands
- Field Test Data
- Complete Session Statistics
- SDK with Application Program Interface

Standards/Approvals/Certifications
- 3GPP (HSPA+)
- 3GPP Release 99 (GSM/GPRS)
- Support for GpsOne™
- CCF57
- GCF
- FCC
- IC
- CE
- A-Tick
- PTCRB
- Microsoft WHQL
- NDIS driver support
- RoHS compliant
- Halogen Free
- AT&T, Verizon, Sprint, Telefonica, Vodafone, Orange, TIM, T-Mobile (EMEA)

Operating Systems Supported
- Windows® 7, Vista, XP
- Linux 2.6.16 or higher (SDK Available)

Vendor Development Kit
- Interface board
- Power supply
- USB cable
- MobiLink SDK
- Antennas (2)
- Embedded Developer's Guide

For More Information:
e-mail: sales@nvtl.com

NASDAQ: NVTL
www.novatelwireless.com

† Network operator dependent

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ISO 9001:2000 Certified
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