AirCard® 880E & AirCard® 881E for HSPA Networks

Technical Specifications

■ **Technology**
ExpressCard/34
MSM 7200 Chipset
UMTS with HSDPA Category 8/6/12
  (7.2/3.6/1.8 Mbps downlink)
HSUPA Category 5 (2.0 Mbps uplink)
EDGE/GPRS MS Class 12
WCDMA receive equalizer with dual
  antenna diversity
SIM, USIM, and SIM+ compatible
PS/SC interface
Qualcomm GpsOne® technology

■ **Bands**
850/1900/2100MHz WCDMA
  Power class 3 (+24dBm)
850/900MHz GSM/GPRS/EDGE
  GSM Power class 4/EDGE E2
1800/1900 MHz GSM/GPRS/EDGE
  GSM Power Class 1/EDGE E2
GPS/1575 MHz

■ **Dual Antenna Diversity Support**
AirCard 880E: 2100/850 MHz
AirCard 881E: 1900/850 MHz

■ **Operating System Support**
Windows® Vista
Windows® XP
Windows® 2000
Mac OS X

■ **Environmental**
Operating Temperature: -20 to +60° Celsius
Storage Temperature: -30 to +85° Celsius
RoHS Compliant

■ **Dimensions**
132mm (L) x 34mm (W) x 12mm (H)
Weight: 40 grams

■ **Standards/Approvals**
FCC
CE
A-tick
PTCRB
GCF
Industry Canada
GSM/GPRS/EDGE Release 99 and GERAN
  Feature Package #1
WCDMA 3GPP TS25.101 Release 5 and
  HSUPA Release 6
Microsoft WHQL
Other carrier and country specific approvals

■ **Package Contents**
AirCard 880E or AirCard 881E
ExpressCard modem
Carry Case
Quick Start Guide
TRU-Install Q1 '08, CD until Q1 '08

■ **Accessories**
Visit www.sierrawireless.com/estore for
the full accessory line from Sierra Wireless.

■ **For More Information**
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ExpressCard Standard

Stylish, Low-profile Design

Fast Downlink & Uplink Speeds

CONNECTING PEOPLE AND SYSTEMS TO MOBILE BROADBAND NETWORKS AROUND THE WORLD

Sierra Wireless is a recognized industry leader in developing wireless data products and enabling software. Sierra Wireless modems and software connect people all over the world with mobile broadband networks that keep them in touch, informed, and productive from wherever they need to be. The Company offers a diverse product portfolio addressing enterprise, consumer, original equipment manufacturer, machine-to-machine, and specialized vertical industry markets. Sierra Wireless also provides professional services to customers requiring expertise in wireless design, integration, and carrier certification.

For more information, please visit our website, www.sierrawireless.com.

SIERRA WIRELESS
HEART OF THE WIRELESS MACHINE®

■ Next Generation HSUPA Wireless Data

The AirCard 880E and AirCard 881E ExpressCards for HSUPA capable UMTS networks leverage the latest in high-speed UMTS technology. Designed for new Notebook PCs with industry standard ExpressCard/34 and Express-Card/54 slots, the AirCard 880E and AirCard 881E provide wide area wireless data access at speeds up to 7.2 Mbps downlink and 2.0 Mbps uplink. Both offer tri-band UMTS/HSPA and quad-band GSM/GPRS/EDGE network access for roaming on high-speed networks worldwide. In addition, the AirCard 880E is optimized for better fringe performance in Europe and Asia, while the AirCard 881E is optimized for better fringe performance on North American networks.

Faster HSUPA network speeds provide a rich experience on a wide variety of applications.

Consumer	Business	Applications
●	●	Email – Increased speed to send large files
●	●	Internet/Intranet Access
●	●	Video Conferencing and Surveillance
●		Real-time Media Streaming
●		Online Gaming
	●	Corporate Server (using VPN) Access
●	●	Location Based Services
	●	Healthcare/Insurance, sending images

- ■ **UP TO 7.2 MBPS DOWNLINK, 2.0 MBPS UPLINK FOR LARGE FILE TRANSFER AND MEDIA STREAMING**
- ■ **DURABLE HIGH PERFORMANCE ANTENNA DESIGN**
- ■ **GPS ENABLED FOR LOCATION BASED SERVICES**
- ■ **SIMPLE INSTALLATION AND A USER-FRIENDLY EXPERIENCE**

■ Worldwide Roaming With the Aircard 880E and Aircard 881E

With tri-band HSPA functionality, the AirCard 880E and AirCard 881E Express-Cards provide global wireless data connectivity on the 850, 1900, and 2100 MHz UMTS bands. In areas where HSPA is not available, the AirCard 880E and AirCard 881E are backward compatible to UMTS and EDGE/GPRS networks.*

*Subject to network deployment and roaming agreements

■ High Performance Antenna Design with TRU-Diversity™ and TRU-Durability™

The AirCard 880E and AirCard 881E feature TRU-Diversity, Sierra Wireless' Data Antenna Technology offering the fastest speed, strongest signal strength and most stable connection possible. Truly built to deal with the rough and tumble reality of life on the road, these modems feature TRU-Durability. The fixed, internal antenna was designed with no moving parts, high strength plastics and a sleek, low profile industrial design. A robust antenna connector is also provided for attaching an optional external antenna.

■ Built-in GPS Enabled Receiver and Location Based Services Support*(LBS)

The AirCard 880E and AirCard 881E include a built-in GPS receiver and support for LBS. This TRU-Locate feature from Sierra Wireless means users can quickly acquire accurate mapping directions to client appointments or locate the closest restaurant, hotel or gas station**.

**Dependant on network operator support. See www.sierrawireless.com for details.

■ Simple Installation and Use With TRU-Install™ and TRU-PowerSave™

The AirCard 880E and AirCard 881E feature TRU-Install, Sierra Wireless' plug-and-play software installation experience. A CD is no longer required so you're up and running in fewer steps and less time! Our ExpressCards also feature TRU-PowerSave, Sierra Wireless's advanced power control that reduces PC battery drain and optimizes modem performance under variable network conditions.

■ Sierra Wireless Reliability and Support

Sierra Wireless has over 13 years experience and a solid reputation for high quality data products backed by a dedicated field and call center support team. For customers, the AirCard® brand means realizing the lowest ownership costs due to device reliability, integration ease and reduced support issues.

SIERRA WIRELESS
AirCard® 880E

❋ TRUDurability™   ◉ TRUDiversity™   ◉ TRULocate™
❋ TRUPowerSave™   ◉ TRUFlow™   ◉ TRUInstall™ ***