



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 ExpressCard/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

WORLDWIDE ROAMING WITH THE AIRCARD 880E AND AIRCARD 881E

With tri-band HSPA functionality, the AirCard 880E and AirCard 881E ExpressCards 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 networks (850, 900, 1800, and 1900 MHz).*

*Subject to network deployment and roaming agreements

HIGH PERFORMANCE ANTENNA DESIGN:

Sierra Wireless has developed a fixed internal antenna design with no moving parts, high strength plastics and a sleek, low profile industrial design. With the new highly efficient antenna, the AirCard 880E and AirCard 881E provide end users with the fastest, most reliable connections with improved speeds and extended coverage. A robust antenna connector is also provided for attaching an optional external antenna.

BUILT-IN GPS RECEIVER AND LOCATION BASED SERVICES SUPPORT*(LBS):

The AirCard 880E and AirCard 881E include a built-in GPS receiver and support for LBS. As an example, using the exact location of the modem, users can acquire accurate mapping directions to client appointments or locate the closest restaurant, hotel or gas station*.

*Dependant on network operator support

SIMPLE INSTALLATION AND USE:

Easy-to-install, easy-to-use Watcher™ software provides a common look and feel across all Sierra Wireless products. Familiar signal strength, byte counter, network type and other connection parameters are displayed, along with a detailed Help File to enhance the user experience.

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.



ExpressCard Standard

Stylish, Low-profile Design

Fast Downlink & Uplink Speeds

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

**AIRCARD® 880E AND
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 4 (2.0 Mbps uplink)
EDGE/GPRS MS Class 12
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

ENVIRONMENTAL:

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

DIMENSIONS:

145mm (L) x 34mm (W) x 12mm (H)
Weight: 60 grams

STANDARDS/APPROVALS:

FCC 2, 15, 22, 24
CE
A-tick
PTCRB
GCF
Industry Canada IC
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
CD including Watcher™ connection
software, User Manual and Warranty
Information

ACCESSORIES:

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

FOR MORE INFORMATION:

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SIERRA WIRELESS, THE LEADER IN WIRELESS WIDE AREA MOBILE COMPUTING

Sierra Wireless is a recognized industry leader in developing wireless data products and enabling software for portable and industrial applications. Sierra Wireless's products include:

- AirCard® line of PC Cards, ExpressCards and USB Modems
- Line of PCI Express Mini Cards for CDMA and GSM technology tracks
- MP rugged wireless modem line for EDGE/GSM/GPRS and CDMA 1X networks
- Embedded module series for CDMA 1X, and CDMA 1xEV-DO networks
- Software Development Kits (SDKs)

Now Sierra Wireless enhances your wireless access choices with high-performance broad-band wireless products to meet your worldwide needs.

**SIERRA WIRELESS
AIRCARD® 880E and
AIRCARD® 881E**

**WIRELESS NETWORK
CARD FOR 7.2 MBPS
HSPA NETWORKS**