

## AIRCARD® 580

### WIRELESS WIDE-AREA PC CARD FOR CDMA 1xEV-DO NETWORKS

#### **NEXT GENERATION HIGH-SPEED WIRELESS DATA:**

Leveraging the latest high-speed CDMA 1xEV-DO technology, the Sierra Wireless AirCard 580 provides wide area wireless access to e-mail, the Internet and corporate applications for today's mobile professional or the enterprise. Using the AirCard 580, which supports peak data speeds of 2.4 Mbps, users can enhance their productivity and improve efficiencies while working on the road.

#### **DEPENDABLE WIRELESS DATA COVERAGE:**

The standard Type II AirCard 580 PC Card requires no connection cables and connects to North American CDMA 1xEV-DO\* and 1xRTT networks.

\*Where available.

#### **SIMPLE INSTALLATION OFFERING EASE OF USE:**

The Watcher™ software for the AirCard 580 is simple to install and easy to use for notebook users. The included components help users install, configure, and manage the AirCard 580, resulting in easy wireless connectivity and a user-friendly experience.

#### **UNIQUE DESIGN:**

Proprietary antenna features coupled with a convenient, portable form factor provide users enhanced functionality and performance when on the road. Small and lightweight, the AirCard 580 is easy to carry with a notebook or laptop and uses less battery power while still achieving maximum product performance.

Sierra Wireless is your only source for wireless data.

Go Wireless. Get connected.



EMPOWERING NOW

Close the deal.

Achieve your targets.

Enjoy your success.

- A POWERFUL, COST EFFECTIVE 1xEV-DO ENGINE THAT INTEGRATES EASILY INTO DEVICES
- CDMA 1xEV-DO Next Generation High-speed Wireless Data
- DUAL-BAND OPERATION: 800 MHz and 1900 MHz
- SUPPORTS RECEIVER DIVERSITY AT 1900 MHz
- HIGH-SPEED WIRELESS DATA ACCESS UP TO 2.4 MBPS
- STANDARD 32-BIT CARDBUS ELECTRICAL INTERFACE FOR EFFICIENT POWER MANAGEMENT
- RUGGED, UNIQUE FORM FACTOR, BUILT WITH LIGHTWEIGHT MATERIALS
- SIMPLE INSTALLATION AND A USER-FRIENDLY EXPERIENCE

  
**SIERRA WIRELESS**  
HEART OF THE WIRELESS MACHINE®

**AIRCARD® 580  
WIRELESS WIDE-AREA  
PC CARD  
FOR CDMA 1XEV-DO  
NETWORKS**

**TECHNICAL SPECIFICATIONS**

**AIRCARD 580:**

Type II PC Card  
CDMA 1xEV-DO (Release 0)  
CDMA 1xRTT

Dimensions: 116mm (L) x 54mm (W) x 5mm (H)  
Weight: 40 grams

**OPERATING SYSTEM SUPPORT:**

Windows® 98 SE  
Windows® Me  
Windows® 2000  
Windows® XP

**SYSTEM REQUIREMENTS:**

Card slots: 1 Type II PC Card slot (CardBus)  
Memory: 32 MB  
Disk Space: 14 MB  
Disk Drive: CD-ROM  
Dial Up Networking: DUN bound to TCP/IP

**PROCESSOR:**

Pentium 150 MHz or higher

**CDMA:**

PCS Transmit 1850 to 1910 MHz  
PCS Receive 1930 to 1990 MHz  
Cellular Transmit 824 to 849 MHz  
Cellular Receive 868 to 894 MHz

**ENVIRONMENTAL:**

Operating Temperature: -20 to 60° Celsius  
Storage Temperature: -30 to 65° Celsius

**POWER CONSUMPTION:**

Typical Data Call Current (Talk Mode):  
- 370 mA (1x)  
- 470 mA (1xEV-DO)  
Standby:  
- 110 mA (1xEV-DO/IS2000 Hybrid Mode)  
Voltage:  
- 3.3V

**STANDARDS/SPECIFICATIONS**

Compliant with IS-2000  
Release 1.0 (CDMA 1X)  
IS-707-A Data, IS-856 (CDMA 1xEV-DO)  
IS-866, IS-878, IS-890

**APPROVALS/CERTIFICATIONS**

FCC ID PNF- PC3220P  
FCC Parts 2, 15, 22 and 24  
CDMA Developers Group  
Microsoft WHQL

**SIERRA WIRELESS WATCHER SOFTWARE:**

Easy installation  
User-friendly, intuitive interface  
SMS capabilities  
Auto-connect/Always-on connectivity  
Data-byte counters, connection timer

**FOR MORE INFORMATION**

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**Web site: www.sierrawireless.com**

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**SIERRA WIRELESS, THE LEADER IN WIRELESS DATA COMMUNICATIONS  
HARDWARE AND SOFTWARE PRODUCTS**

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

- AirCard line of PC Cards
- Line of PCI Express Mini Cards
- 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 CDMA 1xEV-DO products to meet your worldwide needs.



**SIERRA WIRELESS  
AIRCARD 580 WIDE-  
AREA WIRELESS  
NETWORK CARD**

**FOR CDMA 1XEV-DO  
NETWORKS**