

AIRCARD® 595

WIRELESS WIDE-AREA PC CARD FOR 1xEV-DO REVISION A NETWORKS

NEXT GENERATION EV-DO WIRELESS DATA:

Leveraging the latest high-speed EV-DO Revision A technology, the Sierra Wireless AirCard® 595 provides wide area wireless data access at speeds up to 3.1 Mbps download and 1.8 Mbps uplink. Users can expect average upload speeds to improve to 350-500 Kbps (from 70-144), while download speed improves to 600 Kbps-1.4 Mbps (from 400-700). The faster upload data speeds provide a richer experience for large file uploads and media/video streaming.

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

A variety of applications are well suited for using with the AirCard 595.

HIGH PERFORMANCE ANTENNA DESIGN:

Sierra Wireless has developed a new patent pending design for the AirCard 595 antenna. With the new highly efficient and receptive antenna, the AirCard 595 provides end users with the fastest, most reliable connections with improved speeds

and extended coverage through better network signal acquisition in medium to low signal strength areas.

DURABLE FIXED ANTENNA OFFERS INCREASED RELIABILITY:

Customers have asked for it and Sierra Wireless has delivered. The AirCard 595 incorporates a new fixed antenna with no moving parts, high strength plastics and a sleek low profile industrial design for improved durability and usability. A new robust antenna connector is also provided (hidden under removal rubber cap) for attaching an optional external antenna.

SOFTWARE DEVELOPERS

KIT (SDK):

Fully supported SDK and forum provides application developers with the “tools” needed to develop custom enterprise applications with the AirCard 595. Development efforts will be backwards compatible with AirCard 580.

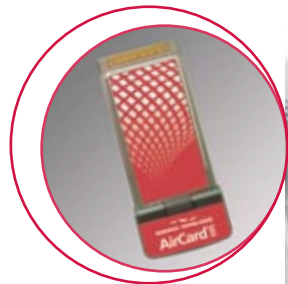
SIMPLE INSTALLATION AND USE:

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. The first to globally launch EV-DO PC Cards and Embedded Modules, Sierra Wireless has an install base of thousands of enterprise Notebook PCs and M2M applications. For customers, AirCard® means lowest ownership costs due to device reliability, integration ease and reduced support issues.



Close the deal.

Achieve your targets.

Enjoy your success.

- 1xEV-DO REVISION A NEXT GENERATION HIGH-SPEED WIRELESS DATA
- DURABLE HIGH PERFORMANCE ANTENNA DESIGN
- UP TO 3.1 MBPS DOWNLOAD, 1.8 MBPS UPLOAD FOR LARGE FILE TRANSFER AND MEDIA STREAMING
- DUAL-BAND, DIVERSITY OPERATION: 800 MHZ AND 1900 MHZ
- SIMPLE INSTALLATION AND A USER-FRIENDLY EXPERIENCE

**AIRCARD® 595
FOR EV-DO
REVISION A NETWORKS**

TECHNICAL SPECIFICATIONS

TECHNOLOGY:

PC Card (Type II PCMCIA)
MSM 6800 Chipset
CDMA 1xEV-DO (Revision A)
CDMA 1xEV-DO (Release 0)
CDMA 1xRTT
CDMA IS-95

BANDS

Cellular / 800 Mhz
Transmit 824-849 MHz
Receive 868-894 MHz
PCS / 1900 Mhz
Transmit 1850 to 1910 MHz
Receive 1930 to 1990 MHz
Receive Diversity (both bands)

OPERATING SYSTEM SUPPORT:

Windows® Vista
Windows® XP
Windows® 2000
Mac OS X

ENVIRONMENTAL:

Operating Temperature: -30 to 60° Celsius
Storage Temperature: -40 to 85° Celsius

POWER CONSUMPTION:

Voltage: 3.3 V
Max Transmit: 1000 mA

STANDARDS/APPROVALS

FCC Part 2, 15, 22, 24
CDG Stages 1, 2, 3
IS-2000, IS-98D/E
IS-127, IS-134
IS-637B, IS-683A
IS-707A, IS-718, IS-733
IS-835A, IS-856, IS-866
JESD22-A114-B, JESD22-C101
Microsoft WHQL

SYSTEM REQUIREMENTS:

Card slot: 1 Type II PCMCIA slot (CardBus)
System: Pentium 150 Mhz or higher
Memory: 32 MB
Disk Space: 32 MB
Disk Drive: CD-ROM

DIMENSIONS:

130mm (L) x 58mm (W) x 13mm (H)
Weight: 54.0 grams

PACKAGE CONTENTS:

AirCard 595 PC Card
Quick Start Guide
CD including Watcher™ connection software,
user manual and warranty information

ACCESSORIES:

External tri-band antenna
Cable to attach external third-party antenna
Available at www.sierrawireless.com/estore

FOR MORE INFORMATION

North America and Asia

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Fax: +1 604 231 1109

E-mail: sales@sierrawireless.com

Web site: www.sierrawireless.com

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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 and ExpressCards
- Line of PCI Express Mini Cards for both 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 broadband wireless

products to meet your worldwide needs.

**SIERRA WIRELESS
AIRCARD® 595
WIDE-AREA WIRELESS
NETWORK CARD**

**FOR CDMA 1xEV-DO
REVISION A
NETWORKS**