

MC5725V WIRELESS MODULE

POWERFUL, COST EFFECTIVE, 1xEV-DO REVISION A ENGINES

AIRCARD ENABLED™ SOLUTIONS

The MC5725V wireless module is a powerful, cost effective solution that easily integrates into laptops and other host devices offering a complete wireless data solution over CDMA 1xEV-DO Revision A networks. Embedded right into computing devices for best possible performance, users will be 'AirCard Enabled™' and receive the same high-performance wireless wide area connectivity customers have come to expect from Sierra Wireless' award-winning AirCard products. The MC5725V wireless module will truly change the way people access e-mail, the Internet and corporate applications through their computing device.

A POWERFUL 1xEV-DO REVISION A ENGINE

The MC5725V wireless module is the latest in a series of successful Sierra Wireless CDMA products. Built using the latest CDMA 1xEV-DO technology, the MC5725V Mini Card is a complete 3G-enabled wireless solution, offering data, voice and SMS functionality.

- Peak downlink rate of 3.1 Mbps
- Peak uplink rate of 1.8 Mbps
- Uses MSM6800™ chipset from QUALCOMM
- Dual band and backwards compatible to IS-856 (CDMA 1xEV-DO-Rel 0), IS-2000 (1XRTT) and IS-95 networks
- Supports third generation (3G) digital cellular standards
- Supports GPS and RX Diversity
- Supports latest Zero IF-based technology
- Enables rapid development of exceptional high-speed data products
- Comprehensive WHQL-certified USB software driver architecture

Standalone carrier certification and CDG infrastructure interoperability lab testing for the MC5725V will allow customers to efficiently integrate, certify and achieve the best time-to-market possible for their products.

COMPREHENSIVE TOOLS

The MC5725V offers premium functionality and performance. Sierra Wireless' flexible Command and Status (CnS) interface and key software applications support compelling data products. Extensive software, applications and tools, installation and activation wizards, IOTA clients, mobile IP support and essential hardware drivers simplify the certification and commercialization process. Measuring 51 x 30 x 4.5 mm and weighing in less than 12g, the MC5725V also complies with new European Union directives on RoHS (Restrictions on Hazardous Substances).

The MC5725V is the latest addition to Sierra Wireless' portfolio of products for EV-DO networks, building on nearly three years of product development and refinement since the launch of the AirCard 580 EVDO wireless wide area PC card in 2003.

SUPERIOR SUPPORT TO HELP WITH INTEGRATION REQUIREMENTS

Sierra Wireless has extensive experience working with customers to develop and bring CDMA data solutions to market. Backed by an experienced CDMA development and support team, customers can depend on Sierra Wireless to provide comprehensive software interfaces, development and integration services and a full suite of complementary software drivers to expedite product development cycles. Look at Sierra Wireless as an extension of your development team to efficiently design, develop, certify, and launch exceptional wireless data products.

Sierra Wireless is your only source for AirCard Enabled wireless data solutions.



- **A POWERFUL, COST EFFECTIVE 1xEV-DO REVISION A ENGINE THAT INTEGRATES EASILY INTO DEVICES**
- **BEST IN CLASS TECHNICAL AND INTEGRATION SUPPORT AND PROFESSIONAL SERVICES ACCELERATE END PRODUCT TIME-TO-MARKET**
- **COMPREHENSIVE SOFTWARE OFFERING, DEVELOPMENT KIT AND APPLICATIONS SIMPLIFIES DEVELOPMENT PROCESS**
- **LATEST QUALCOMM 1xEV-DO REVISION A TECHNOLOGY**



Superior Integration Support

Fastest Time to Market

AirCard Enabled™



MC5725V WIRELESS MODULE

TECHNICAL SPECIFICATIONS

PACKAGE:

Length: 51 mm
Width: 30 mm
Thickness: 4.5 mm
Weight: under 12 g

POWER:

3.0 ~ 3.6V power supply
Low talk current
Low stand-by current

ANTENNA CONNECTOR:

50 Ohm compatible
U. FL RF connectors

FREQUENCY BANDS:

Dual Band
800 MHz North American Cellular band
1900 MHz North American PCS band
Supports RX diversity in both 800MHz and 1900 MHz bands
GPS (1575 MHz) Band

HOST INTERFACE:

52-Pin Edge Connector
USB 2.0 (Full Speed)
Software configurable LED control
R-UIM
Differential microphone & speaker inputs

ENVIRONMENTAL:

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

ADDITIONAL FUNCTIONALITY:

AT command interface
Software Development Kit (SDK) including Application Program Interface (API)
RoHS compliant

CDMA STANDARDS:

IS-856-A (CDMA 1xEV-DO Revision A)
IS-856 (CDMA 1xEV-DO Rel 0)

IS-2000 (CDMA 1xRTT)
IS-95 A/B
IS-707-A Data
IS-637-A SMS
IS-683-A Service Provisioning
IS-683-B (partial)
Support for gpsOne™

DATA SERVICES:

CDMA 1xEV-DO Revision A (IS-856-A)
Forward link up to 3.1 Mbps
Reverse link 1.8 Mbps
CDMA 1xEV-DO Rel 0 (IS-856)
CDMA 1xRTT (IS-2000)
Forward and reverse link speeds up to 153.6Kbps

VOICE SERVICES:

PCM Audio
IS-127 & IS-733-A Vocoders:
13QCELP Vocoder
EVRC Vocoder
TTY/TDD

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
- 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 MC5725V WIRELESS MODULE

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