MC8775V WIRELESS MODULE

POWERFUL, COST EFFECTIVE HSDPA ENGINES

AIRCARD ENABLED™ SOLUTIONS

The MC8775V wireless module is a powerful, cost effective solution that easily integrates into laptops and other host devices offering data, voice and SMS wireless solutions over HSDPA-capable UMTS 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 MC8775V wireless module will truly change the way people access e-mail, the Internet and corporate applications through their computing devices. With tri-band HSDPA, the MC8775V is designed for global use and operates on the 850, 1900, and 2100 MHz WCDMA bands.

POWERFUL HSDPA ENGINES

The MC8775V wireless module is the latest in a series of successful Sierra Wireless GSM products. Built using the latest HSDPA technology, the MC8775V is a complete 3.6 Mbps HSDPA wireless solution, offering data and SMS functionality.

- Typical download rates of 500 to 800kbps, peak speeds up to 3.6Mbps*
- Uses MSM6280™ chipset from QUALCOMM
- Supports tri-band UMTS (HSDPA): 850, 1900, and 2100 MHz
- Supports quadband EDGE/GPRS/GSM: 850/900/1800/1900 MHz
- Support third generation (3G) digital cellular standards
- Enable rapid development of exceptional high-speed data products
- Comprehensive WHQL-certified USB software driver architecture
- Supports GPS

Standalone carrier certification, and infrastructure interoperability lab testing for the MC8775V will allow customers to efficiently integrate, certify, and achieve the best time-to-market possible for their products.
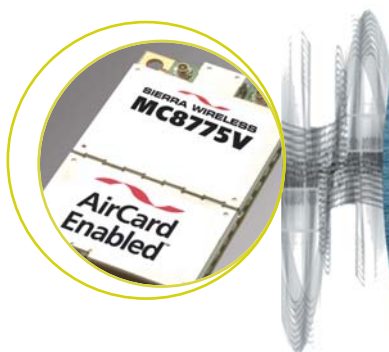
COMPREHENSIVE TOOLS

The MC8775V 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, 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 MC8775V also complies with new European Union directives on RoHS (Restrictions on Hazardous Substances).

* Subject to network conditions, see service provider for details

SUPERIOR SUPPORT TO HELP WITH INTEGRATION REQUIREMENTS

Sierra Wireless has extensive experience working with customers to develop and bring GSM data solutions to market on a timely basis. Backed by a leading development and support team, customers can depend on Sierra Wireless to provide comprehensive software interface, development and integration services and a full suite of complementary software drivers to expedite product development cycles. Look at Sierra Wireless as a reliable 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.

SIERRA WIRELESS
HEART OF THE WIRELESS MACHINE®

Superior Integration Support

Fastest Time to Market

AirCard Enabled™

AirCard Enabled™

- **POWERFUL, COST EFFECTIVE HSDPA 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**
- **USES LATEST QUALCOMM TECHNOLOGY**

SIERRA WIRELESS
HEART OF THE WIRELESS MACHINE®

MC8775V WIRELESS MODULE

TECHNICAL SPECIFICATIONS

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

POWER:
Input Voltage Range: 3.0 ~ 3.6V
Low talk current
Low stand-by current

ANTENNA CONNECTOR:
50 Ohm compatible
U. FL RF connector

NETWORKS:
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

HOST INTERFACE:
52-Pin Edge Connector
USB 2.0
Software configurable LED control
U-SIM
Differential microphone & speaker inputs

ENVIRONMENTAL:
Operating Temperature: -20 to +60º C
Storage Temperature: -30 to +85º C

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

DATA SERVICES:
850/1900/2100 MHz WCDMA
    Forward link up to 3.6Mbps
    Reverse link up to 384Kbps

850/900/1800/1900 MHz GSM/GPRS/EDGE
    Forward link up to 216 Kbps
    Reverse link up to 108 kbps

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

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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 3G PCI Express Mini Cards for both CDMA 1xEV-DO, 1xEV-DO Rev A, and HSDPA technology tracks

- MP rugged wireless modem line for EDGE/GSM/GPRS and CDMA 1X networks

- Proprietary 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 MC8775V WIRELESS MODULES

POWERFUL, COST EFFECTIVE HSDPA ENGINES