■ Sierra Wireless Empowered™ Solutions

The latest in the powerful Sierra Wireless module product portfolio, the MC8795V Mini Card, designed for HSPA networks offers quad-band frequency support and integrates into a variety of OEM devices. Customers integrating the MC8795V into fixed wireless terminals, point of sale devices, computers and ruggedized laptops will be able to expand their product offering into new geographical markets. Featuring data speeds up to 7.2 Mbps on the downlink and 5.76 Mbps on the uplink users will receive the same high-performance wireless wide area connectivity customers have come to expect from Sierra Wireless products.

■ PCI Express Mini Card Standard

Based on the PCI Express Mini Card specification, the MC8795V 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 12 g, the MC8795V complies with new European Union directives on RoHS (Restrictions on Hazardous Substances).

■ Powerful HSPA Engines

The MC8795V PCI Express Mini Card provides wide area wireless data access at speeds up to 7.2 Mbps downlink and up to 5.76 Mbps uplink. It offers UMTS/ HSPA and quad-band GSM/GPRS/ EDGE network access for roaming on high-speed networks worldwide. In addition, antenna diversity improves fringe performance on global HSPA networks using the 850, 900, 1900, and 2100 MHz bands.

- Peak downlink speeds up to 7.2 Mbps and peak uplink speeds up to 5.76 Mbps*
- Supports voice services
- Uses MSM6290™ chipset from QUALCOMM
- Supports quad-band UMTS (HSPA): 850, 900, 1900, and 2100 MHz
- Receive equalizer with antenna diversity on the 850, 900, 1900, and 2100 MHz bands
- Supports quadband EDGE/GPRS/ GSM: 850/900/1800/1900 MHz
- Supports third generation (3G) digital cellular standards
- Enables rapid development of exceptional high-speed data products
- Comprehensive WHQL-certified USB software driver architecture

* 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. Sierra Wireless is a reliable extension of your development team and can help efficiently design, develop, certify, and launch exceptional wireless data products. Sierra Wireless is your only source for Sierra Wireless Empowered™ wireless solutions.

- ■ **POWERFUL, QUAD-BAND ENGINE FOR HSUPA-CAPABLE UMTS NETWORKS**
- ■ **SUPPORTS BOTH VOICE AND DATA SERVICES**
- ■ **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**
- ■ **100% COMPATIBLE WITH ALL PREVIOUS VERSIONS**

MC8795V PCI EXPRESS MINI CARD TECHNICAL SPECIFICATIONS

■ Technology
PCI Express Mini Card
MSM6290 Chipset
UMTS with HSPA Category 8 (7.2 Mbps downlink)
HSUPA Category 5 (5.76 Mbps uplink)
EDGE/GPRS MS Class 12
Receive equalizer with antenna
Diversity on 850/900/1900/2100 MHz
USIM support
PC/SC interface
Qualcomm GpsOne® technology

■ Antenna Diversity Support
850/900/1900/2100 MHz

■ Antenna Connector
50 Ohm compatible
U. FL RF connector

■ Bands
850/900/1900/2100 MHz WCDMA
Power class 3 (+24dBm)
850/900 MHz GSM/GPRS/EDGE
GSM Power class 4/EDGE E2
1800/1900 MHz GSM/GPRS/EDGE
GSM Power Class 1/EDGE E2
GPS/1575.42 MHz

■ Data Services
850/900/1900/2100 MHz WCDMA
Downlink up to 7.2 Mbps
Uplink up to 5.76 Mbps
850/900/1800/1900 MHz
GSM/GPRS/EDGE
Downlink up to 236 Kbps
Uplink up to 236 Kbps

■ Host Interface
52-Pin Edge Connector
Pinout supports PCI-Express Mini Card Specification
USB 2.0
Software configurable LED control
U-SIM

■ Operating Systems
Windows® XP / Vista®
Linux
Windows CE
Proprietary OS

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

■ Additional Functionality
AT command interface
CnS command interface
Software Development Kit (SDK) including Application Program Interface (API)

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

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

■ Environmental
Operating Temperature: -25 to +60° C
Storage Temperature: -30 to +85° C

■ For More Information
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SIERRA WIRELESS
MC8795V PCI EXPRESS MINI CARD

PCI Express Mini Card Standard

Superior Integration Support

Fastest Time to Market

Sierra Wireless Empowered™

LEADERSHIP IN WIRELESS DATA SOLUTIONS FOR PEOPLE, BUSINESS AND MACHINES.

Sierra Wireless products connect people and machines to wireless networks around the world. We offer an advanced, comprehensive product line, addressing consumer, enterprise, original equipment manufacturer, and specialized vertical industry markets. We also offer a wide range of professional and operated services. Our solutions are used for mobile computing, transportation, industrial M2M (machine-to-machine), enterprise, residential and consumer communications applications.
For more information, please visit our website, www.sierrawireless.com.

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