

>>| **A POWERFUL CDMA 1xEV-DO ENGINE**

Built with the latest CDMA 1xEV-DO technology, the Sierra Wireless EM5625 wireless module is now available to the marketplace. Supporting third generation (3G) digital cellular standards and the latest Zero IF-based technology from QUALCOMM, the EM5625 wireless module enables rapid development of exceptional voice and high-speed data products and solutions.

>>| **INTERFACE AND SOFTWARE**

A comprehensive hardware and software interface offers premium functionality and performance to users. Sierra Wireless' flexible Command and Status (CnS) interface and key software applications support compelling voice and data products. Extensive supporting software, applications, and tools, including the Radio Interface Layer communication manager, phone tools, installation and activation wizards, IOTA clients, mobile IP support and essential hardware drivers simplify the certification and commercialization process.

>>| **COMPREHENSIVE USER EXPERIENCE**

The EM5625 is the latest in a series of successful Sierra Wireless CDMA products. The module has standalone carrier certification, and has completed the CDG infrastructure interoperability lab testing. This enables customers to quickly integrate, receive certification, and achieve the best time-to-market possible for their products. The EM5625 is backwards compatible to IS-2000 (1XRTT) and IS-95 networks, providing maximum CDMA network coverage.

The EM5625 module is a complete 3G-enabled wireless solution, offering voice, data and SMS functionality.

Location based services (LBS) are supported through an API, and the product is fully E911 compliant, integrating gpsOne technology and Advanced Forward-Link trilateration (AFLT).

>>| **SUPERIOR SUPPORT TO HELP WITH INTEGRATION REQUIREMENTS**

Backed by a world-class 1xEV-DO development and support team, users can depend on Sierra Wireless to provide comprehensive design and integration services 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 wireless data.

Go Wireless. Get connected.



EMPOWERING NOW

Access the tools.

Integrate into products.

Deliver a complete data solution.

- **A POWERFUL, WIRELESS 1xEV-DO ENGINE THAT EASILY INTEGRATES INTO ANY PLATFORM**
- **BEST IN CLASS TECHNICAL AND INTEGRATION SUPPORT AND PROFESSIONAL SERVICES TO HELP ACCELERATE END PRODUCT TIME-TO-MARKET**
- **EXTENSIVE INTERFACE AND MOST COMPREHENSIVE SOFTWARE OFFERING**
- **USES LATEST QUALCOMM 1xEV-DO TECHNOLOGY**
- **INCLUDES gpsOne™ LOCATION-BASED TECHNOLOGY AND E911 SUPPORT**



EM5625

TECHNICAL SPECIFICATIONS

>>| PACKAGE:

Length: 45 mm
Width: 35 mm
Thickness: 5mm
Weight: 12 g

>>| POWER:

Battery or 3.4 ~ 4.5V power supply
Low talk current
Low stand-by current

>>| ANTENNA CONNECTOR:

50 Ohm compatible
Antenna launch option for soldered antennas
RF connectors, both board top-side and bottom-side

>>| FREQUENCY BANDS:

Dual Band
800MHz US Cellular band
1900MHz US PCS band
GPS Band

>>| HOST INTERFACE:

60-Pin Board-to-Board Connector
USB
UART (Double Clocked) Serial Interface
Differential Microphone and Speaker Inputs
Discrete MIO for Host Handshaking and LED Control
Auxiliary ADC Inputs
R-UIM

>>| ENVIRONMENTAL:

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

>>| ADDITIONAL FUNCTIONALITY:

Dual serial ports
AT command interface
Sierra Wireless proprietary Control and Status (CnS) language interface
Software Development Kit (SDK) including Application Program Interface (API)

>>| CDMA STANDARDS

IS-856 (CDMA 1xEV-DO)
IS-2000 (CDMA 1xRTT)
IS-95 A/B
IS-801 Location Services
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 (IS-856)
Forward link up to 2.4Mbps
Reverse link 153.6 Kbps
CDMA 1xRTT (IS-2000)
Forward and reverse link speeds up to 153.6Kbps

>>| VOICE SERVICES:

The EM5625 supports IS-127 and IS-733 Vocoders:
13QCELP Vocoder
EVRC Vocoder
TTY/TDD

FOR MORE INFORMATION

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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
- Voq Professional Phone™, a unique version of a Windows Mobile™-based Smartphone
- MP rugged wireless modem line for EDGE/GSM/GPRS and CDMA 1X networks
- Embedded module series for 2G and 3G CDMA networks
- Software Development Kits (SDKs) and sample code.

Now Sierra Wireless enhances your wireless access choices with high-performance broadband wireless products to meet your worldwide needs.



SIERRA WIRELESS
EM5625
WIRELESS MODULE FOR CDMA
1xEV-DO NETWORKS