

>>| A POWERFUL CDMA2000® 1X ENGINE

Built with the latest CDMA2000 technology, the Sierra Wireless EM3400 series modules are now available to the marketplace. Supporting third generation (3G) digital cellular standards and the latest Zero IF-based technology from QUALCOMM, the EM3400 series 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. The flexible interface and key enabling software unleash compelling voice and data applications. 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 certification and commercialization of products and solutions.

>>| COMPREHENSIVE USER EXPERIENCE

EM3400 series modules have passed rigorous carrier approval requirements and certification standards and comply with CDMA2000® 1X requirements including backwards compatibility with IS-95A/B. All modules provide best in class power management to extend battery life and offer voice, data and SMS functionality as well as E-911 compliance and location-based services with fully integrated gpsOne™ technology and Advanced Forward Link Trilateration (AFLT).

>>| SUPERIOR SUPPORT TO HELP WITH INTEGRATION REQUIREMENTS

Backed by a world-class CDMA 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.



- A POWERFUL, WIRELESS CDMA ENGINE THAT EASILY INTEGRATES INTO DEVICES
- BEST IN CLASS TECHNICAL AND INTEGRATION SUPPORT TO HELP ACCELERATE END PRODUCT TIME-TO-MARKET
- EXTENSIVE INTERFACE AND COMPREHENSIVE SOFTWARE OFFERING
- USES LATEST QUALCOMM CDMA TECHNOLOGY
- INCLUDES gpsOne™ LOCATION-BASED TECHNOLOGY AND E911 SUPPORT

EMPOWERING NOW

Access the tools.

Integrate into products.

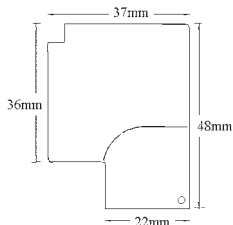
Deliver a complete data solution.



EM3400

TECHNICAL SPECIFICATIONS

>>| PACKAGE:
Weight: 19gm



>>| POWER SUPPLY:
Input Voltage: 3.4V to 4.5V

>>| CURRENT CONSUMPTION:
Talk Current (Typical): 170 mA
Average Current (Max. Power): 650 mA - 750 mA
Standby Current (Typical IS-95 mode): <3 mA

>>| ANTENNA CONNECTOR:
Antenna Contact for Single-Feed Antenna Launch
Switched 50-ohm Connector Port for Test and Car-Kit Applications

>>| FREQUENCY BANDS:
800 MHz Cellular Band
1900 MHz PCS Band
Dual Band 800/1900 MHz
GPS Band

>>| HOST INTERFACE:
40-Pin Board-to-Board Connector
Dual UART (Double Clocked) Serial Interface
Differential Microphone Inputs and Speaker
Discrete MIO for Host Handshaking and LED Control
Auxiliary ADC Inputs

>>| ENVIRONMENTAL:
Operating Temperature: -30 to 60° Celsius
Storage Temperature: -40 to 70° Celsius

>>| ADDITIONAL FUNCTIONALITY:
gpsOne™
Advanced Forward Link Trilateration (AFLT)
RUIIM Support

>>| CDMA STANDARDS
IS-95 A/B
IS-2000 Release 0 (CDMA2000® 1X)
IS-707-A Data
IS-637-A SMS
IS-683-A Service Provisioning
IS-801 Location Services

>>| DATA SERVICES:
Up to 153.6 Kbps (Bi-Directional)
IS-2000 Packet Data
IS-95 A/B Backward Compatibility
9.6 Kbps and 14.4 Kbps Async Data & Group III Digital Fax
Quick-Net-Connect
Mobile Terminated and Mobile Originated SMS
gpsOne™ and E911 Location Services
Advanced Forward Link Trilateration (AFLT)

>>| VOICE SERVICES:
13 Kbps PureVoice™ Codec
8 Kbps EVRC Codec

>>| SOFTWARE
IS-707A AT Command Set Interface for Data features
Voice Control & Diagnostic Information Through In-Band Signaling or via Second Serial Port
Field Upgradeable Flash Memory
Multi-channel Interface Support
BREW Support (Optional)

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
- MP rugged wireless modem line for GSM/GPRS and CDMA2000® 1X networks
- Embedded module series for CDMA2000® 1X, GSM/GPRS and CDPD networks
- Software Development Kits (SDKs)

Now Sierra Wireless enhances your wireless access choices with high-performance CDMA2000® 1X products to meet your worldwide needs.



SIERRA WIRELESS
EM3400 SERIES
WIRELESS MODULE FOR
CDMA2000® 1X NETWORKS