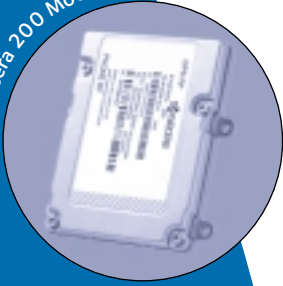Kyocera 200 Module

Metering Applications

Telematics Applications

Vending Applications

Retail/POS Transaction Applications

Kyocera 200 Module

CDMA2000® 1X Module for M2M Telemetry Applications

Get your products to market faster and more efficiently with the Kyocera 200 Module. Our CDMA design, development, and manufacturing expertise will save you engineering hours. Count on Kyocera's long-standing relationships with CDMA operators to streamline your certification process. Its a simple equation—smart technology + proven relationships = faster time to market.

Save time and money

By harnessing Kyocera's expertise in CDMA design, development, and manufacturing, you eliminate the need to build the wireless component of your application.

By taking advantage of our proven relationships with CDMA operators around the world, we give your product credibility.

Flexible and powerful platform

Advanced features like CDMA trimode capability, A-GPS position location capability and support for IS-2000 data rates (up to 153.6 Kbps on both the forward and backward links as supported by MSM5100™) mean your Kyocera 200 Module-equipped applications will be used today and tomorrow.

Support for a wide range of M2M applications

Use the Kyocera 200 Module to power voice and data applications like asset tracking, remote metering or monitoring, point-of-sale, ATM and wireless vending, vehicle location, exception reporting, and automotive telematics, or other exciting M2M applications.

Developing a solution

The optional Kyocera Module Developer Kit (MDK) enables system integrators with all the tools necessary to easily plan, develop, integrate, manage and test the wireless connectivity of their end product. This MDK is the perfect "jump-start" to your M2M project and is ideal for integrators who desire a structured design approach to their application development.

For superior coverage, streamlined development, and strong relationships, the Kyocera 200 Module is the answer. Contact us today at:
module-sales@kyocera-wireless.com or
module-support@kyocera-wireless.com.

KYOCERA

Kyocera 200 Module

CDMA2000 1X module

Actual size

Hardware Specifications

Package:
Height: 2.55 in
(64.8 mm)

Width: 1.90 in (48.2 mm)

Thickness: 0.45 in (11.4 mm)

Weight: Approximately 1.38 oz (38 g)

Regulatory Approval:
FCC ID: OVFKWC-M200

IC: 3572A-M200

Operating Temperature:
-22° to 140°F (-30° to 60°C)

Environment Storage Temperature:
-40° to 185°F (-40° to 85°C)

Antenna Connectors:
- MMCX sub-miniature RF connector (50 Ohm) for CDMA and AMPS applications
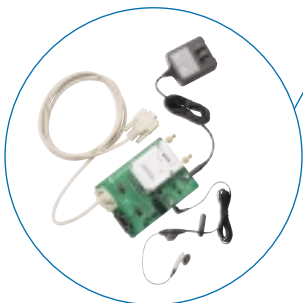- MMCX sub-miniature RF connector (50 Ohm) for position location applications

Power Supply:
+3.6V to + 4.2VDC

Interface Connector:
- Power
- Analog audio
- Serial-UART 1 and UART 2
- Digital control

Module Developer Kit and programming tools are sold separately.

Features

- Trimode capabilities (CDMA digital 800 MHz, CDMA PCS 1900 MHz, and AMPS 800 MHz based upon PRL and System Preferences)
- IS-2000 Release 0-voice capacity and data throughput (as supported by the MSM5100) targeted to support data rates of up to 153.6 Kbps on both the forward and reverse links
- Position location capabilities IS-801.1— E911 Release 1.0 and A-GPS Phase II Support
- Dual UART serial communication design (one for data and one for diagnostics and control) adds additional capabilities to your embedded application

Software Specifications

Feature set supports:

- IS-2000 (CDMA2000 Release 0) MOB_P_REV6 radio configurations and features as supported by the MSM5100 and infrastructure
- IS-95A/IS-95B (JSTD-008) backward compatibility (MOB_P_REV1,3,4,5)
- 13K QCELP and EVRC vocoders, compatible with TTY/TDD including operations in support of Telecommunications Act, Section 255
- IS-683A; OTASP and OTAPA
- IS-637A; two-way SMS
- IS-707A; service options
- IS-835; (TCP/IP/PPP) Simple IP and Mobile IP
- Quick Net Connect—single and double stack
- Trimode call processing—AMPS 800 MHz, CDMA digital 800 MHz, and CDMA PCS 1900 MHz
- Dual NAM support

Module Developer Kit (MDK) Includes:

- Interface board allows access to UART 1 and 2 of the module
- Interface adapter for USB connectivity
- RS-232 and USB cables
- Power adapters for each board
- RF SMA female to MMCX adapters
- Software developer tools and drivers
- Documentation and manuals
- PST for configuring the module
- MARS (Module API for Remote System)
  > A PC GUI which communicates to the module through the extensive and exclusive KMIP (Kyocera Multiplex Interface Protocol) command interface
  > Exposes Voice, GPS, SMS, Status, Sockets
  > Is portable to multiple platforms—written in C
- Technical support

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Visit our Web site at **www.kyocera-wireless.com**.