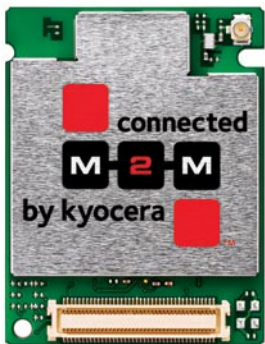


Actual size



The Kyocera 1xD Module is designed to enable telemetry M2M data applications such as metering, security, wireless vending, exception reporting and wireless point-of-sale terminal applications to name a few.

Kyocera 1xD Module

The Kyocera 1xD Module makes low-cost M2M solutions a reality for entry-level telemetry applications. With a lower price point, reduced power consumption and smaller envelope size, the 1xD's remote capabilities can help improve business operations and productivity while reducing total cost of ownership.

Features

- Economical, data-only module for basic telemetry applications
- Low power consumption
- Small and rugged for easy integration into a wide variety of applications and devices
- Programmable GPIOs
 - > Dual UART serial communication design
 - > Dual band capabilities (CDMA 800 MHz and CDMA 1900 MHz)

Technical Specs

Package:

Height: 1.38 in (35.0 mm)
Width: 1.77 in (45.0 mm)
Thickness: .21 in (5.4 mm)
Weight: Approximately .35 oz (10 g)

Regulatory Approval:

FCC and IC - Pending
CDG1 and 2 - Pending
RoHS Compliant

Operational Temperature Range*:

-40° to +185°F (-40° to +85°C)
*Designed to operate at -40° to +185°F (-40° to +85°C)

Environment Storage Temperature:

-40° to +185°F (-40° to +85°C)

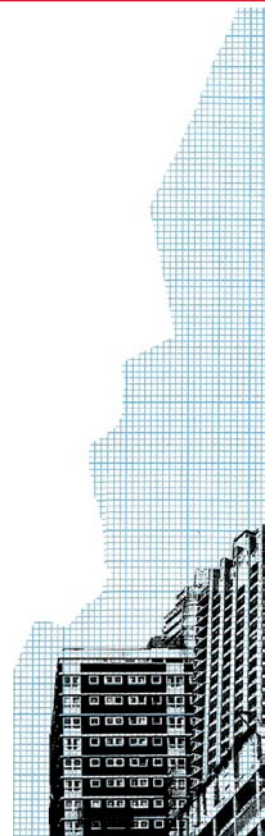
Antenna Connector:

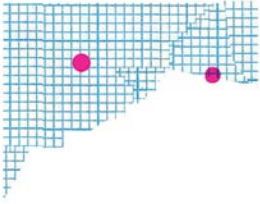
Hirose UFL-R-SMT (50 Ohm) for CDMA applications

Interface Connector:

Molex 80-Pin slim stack B2B connector

- > Power
- > Serial-UART 1 and UART 2
- > Digital control
- > GPIOs
- > USB





Additional Features

- IS-2000 (CDMA2000 Release 0)-voice capacity and data throughput (as supported by the QSC6055™) targeted to support data rates of up to 153.6 Kbps on both the forward and reverse links
- IS-2000 (CDMA2000 Release 0)- MOB_P_REV6 radio configurations voice capacity and data throughput up to 153.6 Kbps on both the forward and reverse links
- IS-95A/IS-95B (JSTD-008) backward compatibility (MOB_P_REV1,3,4,5)
- 13K, QCELP and EVRC-B (4GV) vocoders
- TTY/TDD including operations in support of Telecommunications Act, Section 255
- TIA/EIA-683A; OTASP and OTAPA
- TIA/EIA-637A; two-way SMS
- TIA/EIA-707A; data service options, Packet Data and CSD
- TIA/EIA-835C; (TCP/IP/PPP) Simple IP and Mobile IP
- TIA/EIA-98E minimum RF performance
- Dual NAM support

Software Specifications

Feature set supports:

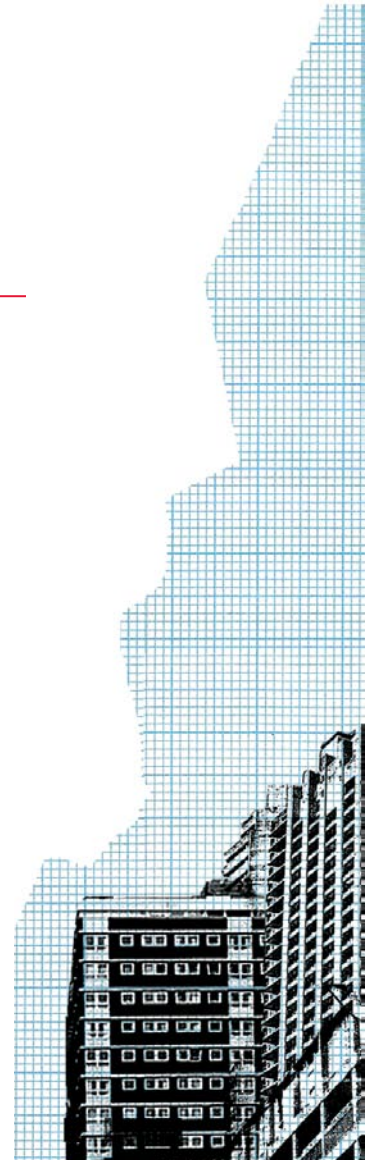
- Enhanced AT command set
- Functions for over-the-air maintenance and management of software in the module
- Power management
- Charging control
- Full UDP/TCP/IP stack with server and client functions
- Programmable GPIOs
- AERIS® digital services
- DCTM, DMU, FOTA, IOTA and OTA-DM
- KMIP (Kyocera Multiplexed Interface Protocol)

Technical support to assist your engineering team in the integration of your solution.

- Assistance with integration, FCC and carrier acceptance

Module Developer Kit (MDK) (Optional) Includes:

- Interface board allows access to UART 1 and 2 and USB interface of the Module
- Programming kit
- Connectors for USB and serial cables, power adaptor, RF and B2B
- Software applications and programming tools
- Documentation
- Support services



THE NEW VALUE FRONTIER



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