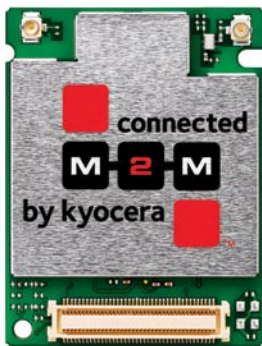


Actual size



The Kyocera 300 Module with integrated GPS is designed to enable M2M applications such as fleet management, asset tracking, telematics, security, wireless vending, roadside call boxes and wireless point-of-sale terminal applications.

Kyocera 300 Module

The compact Kyocera 300 M2M Module leverages the latest QUALCOMM chipset technology in order to provide integrated voice, data and autonomous GPS capabilities, based on a smaller footprint for more widespread integration. The expanded 300 Module feature set includes fully integrated autonomous GPS that offers "in service" cost advantages over assisted GPS.

Features

- Intelligent multimode GPS - standalone and assisted
- BREW® enabled for development of customized embedded applications
- Small and rugged - for easy integration into a wide variety of applications and devices
- Programmable GPIOs - dual UART serial communication design, dual band voice and data capabilities (CDMA 800 MHz and 1900 MHz)
- Low power consumption

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)

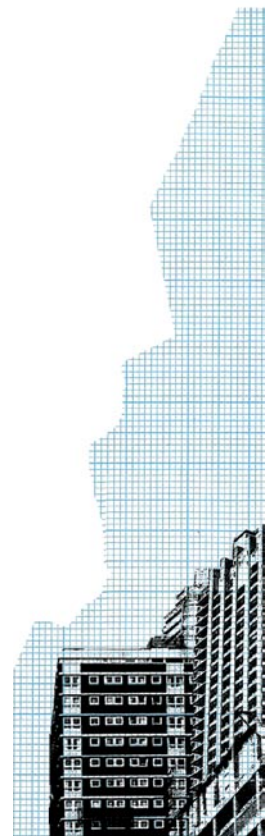
Antenna Connector:

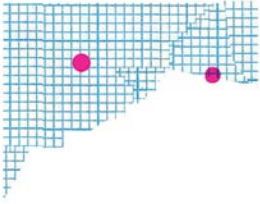
Separate Hirose UFL-R-SMT (50 Ohm) connectors for CDMA and GPS applications

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:

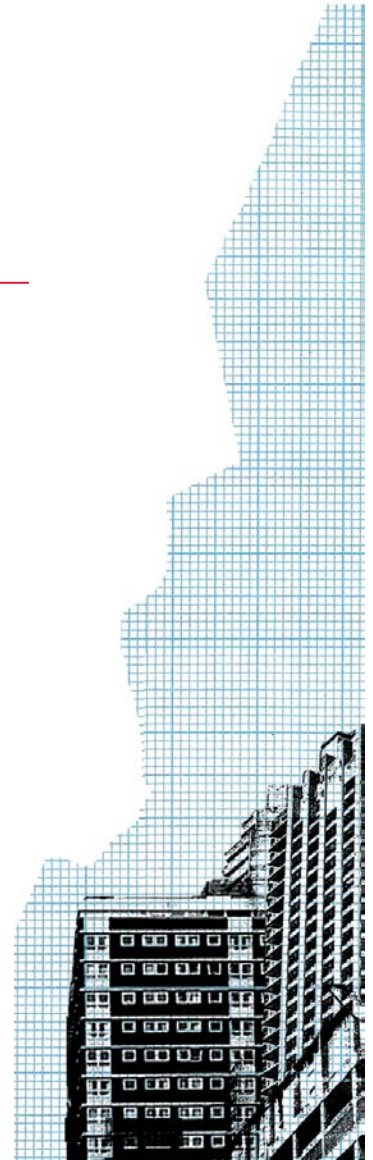
- Enhanced AT command set
- Functions for over-the-air maintenance and management of software in the module
- Power management
- Charging control
- Full UDP/TCP/IP stack with server and client functions
- Programmable GPIOs
- AERIS® digital services
- BREW
- DCTM, DMU, FOTA, IOTA and OTA-DM
- KMIP (Kyocera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