


HUAWEI

ME909u-523

For M2M application, North America market

LGA Package

DL(100 Mbps)/UL(50 Mbps)

IPv6/IPv4

LTE(FDD)
B2/B4/B5/B13/B17/B25/B26

GPS, GLONASS

USSD, FOTA, TTY

Tri-band
DC-HSPA+/HSPA+/HSPA/UMTS
850/1900/AWS MHz

FCC, PTCRB, AT&T,
Sprint (TBD), Verizon (TBD)

PCM Voice

Embedded TCP/IP Stack

The ME909 family is high-quality designed LTE module in small size and Huawei standard LGA form factor which specially for industrial-grade M2M applications such as vehicle telematics, tracking, mobile payment, industrial router, safety monitor and industrial PDAs.

The ME909 family support 100Mbps downlink data rate, include enhanced features like FOTA, USSD, IPv6/IPv4 and Huawei enhanced AT commands.

There are three variants which meet different market requirements:

ME909u-521(B1/B2/B3/B5/B7/B8/B20), for European market.

ME909u-523(B2/B4/B5/B13/B17/B25/B26), for North America market.

ME909u-xxx(B1/B11/B18/B19/B21), for Japan market.

With Huawei standard LGA form factor, it is easy to migration from MU509 family, MC509 and MU609 to ME909 family.

All Huawei modules comply with the RoHS directive and Regional certification.

General Features

- LTE FDD : B2/B4/B5/B13/B17/B25/B26
- DC-HSPA+/HSPA+/HSPA/UMTS 850/1900/AWS MHz
- LTE DL 2*2 MIMO
- DC-HSPA+/HSPA+/HSPA/UMTS Receive diversity
- Transmit Power
LTE: +23dBm (3GPP TS 36.101 R8 Class 3)
WCDMA/HSPA+: +24dBm (Power Class 3)
- AT commands
3GPP TS 27.007 and 27.005
Huawei extended AT command
- Power supply
Normal: 3.2 V to 4.2V (typical: 3.8V)
- Temperature range: -30°C to 75°C
- Humidity: 5% - 95%
- Dimensions: 30 mm x 30 mm x 2.3 mm
- Weight: approx.5g
- USB driver for Linux/Android
- CDC-ECM

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Voice

- PCM voice

Data

- LTE UL (50 Mbps)/DL (100 Mbps) (CAT3)
- DC-HSPA+ :UL (5.76 Mbps)/DL (42 Mbps)

SMS

- MO / MT PDU mode

Additional features

- GPS: Standalone / A-GPS /GPS XTRA
- FOTA *
- Firmware update via USB
- TTY

Supplementary Service

- Call forwarding / hold / waiting
- USSD

Interfaces

- LGA 145 pins
- Antenna interface
- UART
- USB 2.0 High speed
- PCM Voice
- SIM Card
- Multiple GPIOs
- Power_On off
- Reset

Approvals & Certifications

- FCC
- PTCRB
- AT&T
- Sprint (TBD)
- Verizon (TBD)

Note:

Please refer to the latest version of Hardware Guide about the specifications. Huawei reserves the right to make changes or improvements to any to the products without prior notice.

