

# HUAWEI ME909u-523

For M2M application, North America market

## General Features

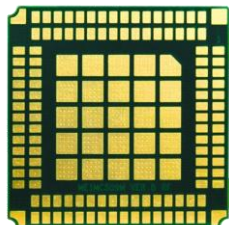
- LTE (FDD) B2/B4/B5/B17, all bands with diversity
- DC-HSPA+/HSPA+/HSPA/WCDMA B2/B4/B5, all bands with diversity
- GPS/GLONASS: L1
- MIMO  
HSPA+/DC-HSPA+: DL 2\*2 MIMO  
LTE: DL 2\*2 MIMO
- Output Power  
WCDMA/HSPA+: +24dBm (Power Class 3)  
LTE: +23dBm (3GPP TS 36.101 R8 Class 3)
- USIM (Class B and Class C)
- Power supply  
3.3 V to 4.2V (typical: 3.8V)
- Temperature range  
Operational: -20° C to 70° C  
Extended: -30° C to 75° C \*
- Dimensions: 30 mm x 30 mm x 2.35 mm
- Weight: approx. 5g
  
- AT commands  
3GPP TS 27.007 and 27.005  
Huawei extended AT command
- OS: Linux, Android

## Voice Features

- DTMF \*\*
- PCM voice \*\*

## Supplementary Service

- Call forwarding / hold / waiting \*\*
- USSD \*\*



\* Temperature outside of the range -20° C to 70° C, the module might slightly deviate from 3GPP TS 45.005 and 3GPP TS 34.121-1 specifications.  
\*\* features will be ready in future firmware.

## Data Features

- WCDMA CS: DL 64 kbps/UL 64 kbps
- WCDMA PS: DL 384 kbps/UL 384 kbps
- HSPA+: DL 21.6 Mbps/UL 5.76 Mbps
- DC-HSPA+: DL 43.2 Mbps/UL 5.76 Mbps
- LTE FDD: DL 100 Mbps/UL 50 Mbps @20M BW cat3

## SMS Features

- MO / MT Text and PDU mode

## Additional Features

- CDC-ECM
- GNSS: Standalone, A-GPS, GPS XTRA, Glonass
- FOTA
- Firmware Update via USB
- Embedded UDP/TCP/FTP(s)/HTTP(s) stack \*\*
- High-speed UART \*\*
- CMUX \*\*
- Sleep mode

## Interfaces

- 145 pins LGA interface
- Antenna interface
- UART
- USB 2.0 High speed
- PCM Voice
- SIM Card
- LED
- Multiple GPIOs
- JTAG
- Power supply
- Power-on/off
- Reset

## Approvals & Certifications

- FCC
- PTCRB
- RoHS & WEEE Compliant
- AT&T

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