HUAWEI ME909u-521

For M2M application, European market

General Features

- LTE (FDD) B1/B2/B3/B5/B7/B8/B20, all bands with diversity
- DC-HSPA+/HSPA+/HSPA/WCDMA B1/B2/B5/B8, all bands with diversity
- EDGE/GPRS/GSM 1900/1800/900/850 MHz
- GPS/GLONASS: L1
- MIMO
  LTE: DL 2*2 MIMO
  HSPA+/DC-HSPA+: DL 2*2 MIMO
- Output Power
  LTE: +23dBm (3GPP TS 36.101 R8 Class 3)
  WCDMA/HSPA+: +24dBm (Power Class 3)
  EDGE 1900/1800MHz: +26dBm (Power Class E2)
  EDGE 900/850MHz: +27dBm (Power Class E2)
  GSM/GPRS 1900/1800MHz: +30dBm (Power Class 1)
  GSM/GPRS 900/850MHz: +33dBm (Power Class 4)
- 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

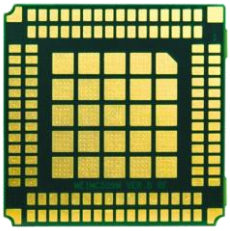
- AT commands
  3GPP TS 27.007 and 27.005
  Huawei extended AT command
- OS: Linux, Android

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

- GPRS: DL 85.6 kbps/UL 85.6 kbps
- EDGE: DL 236.8 kbps/UL 236.8 kbps
- 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

- CE
- GCF
- RoHS & WEEE Compliant

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.