

# HUAWEI ME909s-821

For M2M application, China market

## General Features

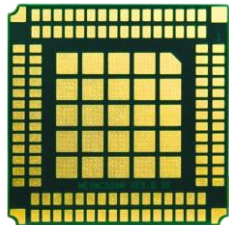
- LTE(FDD): B1,B3,B8; LTE(TDD): B39,B40,B41(38), all bands with diversity
- DC-HSPA+: B1,B9,B5,B8; TDS: B34, B39, all bands with diversity
- GSM: 1800/900MHz
- MIMO  
LTE: DL 2\*2 MIMO  
HSPA+/DC-HSPA+: DL 2\*2 MIMO
- Output Power  
LTE: +23dBm (3GPP TS 36.101 R8 Class 3)  
WCDMA/HSPA+: +24dBm (Power Class 3)  
EDGE 1800MHz: +26dBm (Power Class E2)  
EDGE 900MHz: +27dBm (Power Class E2)  
GSM/GPRS 1800MHz: +30dBm (Power Class 1)  
GSM/GPRS 900MHz: +33dBm (Power Class 4)
- USIM (Class B and Class C)
- Power supply  
3.2 V to 4.2V (typical: 3.8V)
- Temperature range  
Operational: -30° C to 75° C  
Extended: -40° C to 85° C \*
- Dimensions: 30 mm x 30 mm x 2.57 mm
- Weight: approx. 5g
  
- AT commands  
3GPP TS 27.007 and 27.005  
Huawei extended AT command
- OS: Linux, Android, WinCE, Windows 8/10

## Voice Features

- DTMF
- PCM voice

## Supplementary Service

- Call forwarding / hold / waiting
- USSD



\* Temperature outside of the range -30° C to 75° C, the module might slightly deviate from 3GPP TS 45.005 and 3GPP TS 34.121-1 specifications.

## 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 Cat4: DL 150 Mbps/UL 50 Mbps
- LTE TDD Cat 4: DL 112Mbps / UL 10Mbps

## SMS Features

- MO / MT Text and PDU mode

## Additional Features

- CDC-ECM
- 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

- CCC
- 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 of the products without prior notice.