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

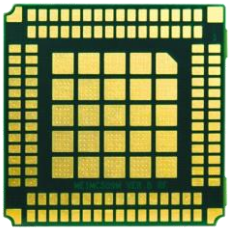
• AT commands
3GPP TS 27.007 and 27.005
Huawei extended AT command
• OS: Linux, Android, WinCE, Windows 8/10

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 to the products without prior notice.

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