



ME909Tu-120 is an automotive grade LTE module. Europe version is dedicated for Europe network coverage. It is pin-to-pin compatible with MU609T, offers full set of telematics features and functions, including ecall, GNSS, FOTA...etc. ME909T is fully approved, including regional, country and carrier approvals. It is perfect for applications like telematics, fleet management, emergency call, breakdown or roadside assistance.

<http://consumer.huawei.com/m2m>

HUAWEI ME909T

LTE Automotive Module, Europe market

- LGA Package
- DL(100 Mbps)/UL(50 Mbps)
- Embedded TCP/IP stack
- LTE (FDD)
B1/B2/B3/B4/B5/B7/B8/B20
- GPS, GLONASS
- Pin to pin compliance with
MU609T, eCall, FOTA
- Quad-band
DC-HSPA+/HSPA+/HSPA/UMTS
- PCM Voice
- TS16949 compliance,
GCF/CE/FCC/RoHS/REACH/ELV
- Quad-band
EDGE/GPRS/GSM

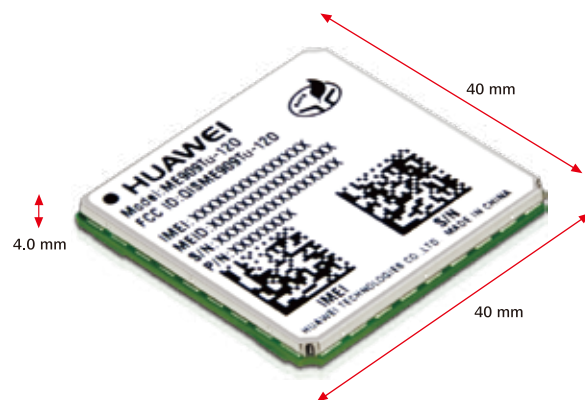
General Features

- Model Name: ME909Tu-120
- LTE B1/B2/B3/B4/B5/B7/B8/B20
- DC-HSPA+/HSPA+/HSPA/UMTS 850/900/1900/2100MHz
- GSM/GPRS/EDGE 850/900/1800/1900 MHz
- GNSS
 - GPS L1: 1575.42 MHz
 - Glomass L1: 1602MHz
- Receive diversity
 - DC-HSPA+/HSPA+/HSPA/UMTS 850/900/1900/2100MHz
- MIMO
 - HSPA+/DC-HSPA+: DL 2*2 MIMO
 - LTE: DL 2*2 MIMO
- Control via AT commands
 - 3GPP TS 27.007 and 27.005
 - Huawei extended AT command
- Embedded TCP/IP and UDP/IP protocol stack
- Supply voltage range
 - 3.8 V - 4.2 V (4.0V is recommended)
- Max. transmitter power
 - WCDMA/HSPA+: +24dBm (Power Class 3)
 - GSM/GPRS 1900MHz/1800MHz: +30dBm (Power Class 1)
 - GSM/GPRS 900M/850MHz: +33dBm (Power Class 4)
 - EDGE 1900MHz/1800MHz: +26dBm (Power Class E2)
 - EDGE 900M/850MHz: +27dBm (Power Class E2)
 - LTE: Accorded with 3GPP TS 36.101 R8 Class 3(23dBm)
- Temperature range
 - Operation temperature: - 40°C to + 85°C
 - Storage temperature : - 40°C to + 95°C
- Humidity : 5% - 95%
- Dimensions (L × W × H): 40 mm × 40 mm × 4.0 mm
- Weight: <15g

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ME909T

LTE Automotive Module,
Europe market



Voice Features

- DTMF support
- PCM voice
- Noise suppression and echo cancellation

Other Features

- FOTA
- eCall
- GNSS

Data Features

- LTE : UL (50 Mbps)/DL (100 Mbps) @Bandwidth 20M (CAT3)
- GPRS/EDGE: Multi-slot Class 12
- WCDMA PS: UL (384 kbps)/DL (384 kbps)
- DC-HSPA+ : UL (5.76 Mbps)/DL (42 Mbps)

SMS Features

- Supporting MO and MT.
- Point-to-point and cell broadcast

Interfaces

- 140 pin LGA
- UART: one 8-line UART/one 2-line UART/one 4-line UART
- USB 2.0 High Speed
- SIM card interface
- analog in (ADC) x 3
- GPIO x 9
- SDIO
- HSIC
- I2C
- SPI
- Reset
- Power on off
- LED x 2
- Antenna interface pin x 3(Contain GPS)

Approvals & Certifications

- GCF
- CE
- FCC
- RoHS/REACH/ELV
- TS16949 compliance

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.

