



ME909s-120 Mini PCIe is a variant of ME909s-120 with standard Mini PCIe form factor. It is high-quality designed LTE module which especially for industrial-grade M2M applications such as vehicle telematics, tracking, mobile payment, industrial router, safety monitor and industrial PDAs. ME909s-120 Mini PCIe supports 150Mbps downlink data rate, includes enhanced features like FOTA, USSD, IPV6/IPV4 and Huawei enhanced AT commands. All Huawei modules comply with the RoHS directive and Regional certification.

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ME909s-120 Mini PCIe

For M2M application, European market

Mini PCIe Package

Qual-band EDGE/GPRS/GSM

Embedded TCP/IP Stack

LTE(FDD)
-B1,B2,B3,B4,B5,B7,B8,B20

DL(150 Mbps)/UL(50 Mbps)

IPV6/IPV4

Quad-band
DC-HSPA+/HSPA+/HSPA/
UMTS

USSD, FOTA

CE, RoHS Compliant

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
- 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
 - 3.2 V to 4.2V (typical: 3.8V)
- Temperature range
 - Operational: -30°C to 70°C
 - Extended: -40°C to 85°C*
- Dimensions: 51 mm x 30.4 mm x 3.52 mm
- Weight: approx. 12g
- AT commands
 - 3GPP TS 27.007 and 27.005
 - Huawei extended AT command
- OS: Linux, Android, WinCE, Windows 8/10

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Voice Features

- DTMF
- PCM voice

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 150 Mbps/UL 50 Mbps @20M BW cat4

Additional Features

- CDC-ECM
- FOTA
- Firmware Update via USB
- Embedded UDP/TCP/FTP(s)/HTTP(s) stack
- High-speed UART
- CMUX
- Sleep mode

Approvals & Certifications

- CE
- GCF
- RoHS & WEEE Compliant

* Temperature outside of the range -30°C to 70°C, the module might slightly deviate from 3GPP TS 45.005 and 3GPP TS 34.121-1 specifications.

Supplementary Service

- Call forwarding / hold / waiting
- USSD

SMS Features

- MO / MT Text and PDU mode

Interfaces

- Mini PCIe interface
- Antenna interface
- USB 2.0 High speed
- PCM Voice
- SIM Card
- LED
- Power supply
- Reset

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.

