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MU709

For M2M application

- LGA Package
- FOTA
- PCM voice
- HTTP/FTP
- Jamming Detection
- Netscan/ Network Monitoring
- Cell lock
- CMUX
- eCall
- SSL
- SMTP
- CCC,CE, GCF, FCC, PTCRB,ROHS,WEEE

MU709 is a Dual-band/Tri-band HSPA+ M2M module, with data speed downlink up to 21Mbps. It supports various features, such as HTTP, FTP, FOTA, Jamming Detection, Netscan, Cell lock, CMUX, eCall, etc.

It is ideal for M2M industrial applications, e.g. Remote control & monitoring, 3G routers/ gateway, telematics, etc.

MU709 is compatible with previous product MU609 and MU509 series with the same footprint, the same software interface, etc. As a result it would be easier for migration from one technology to another.

General Features

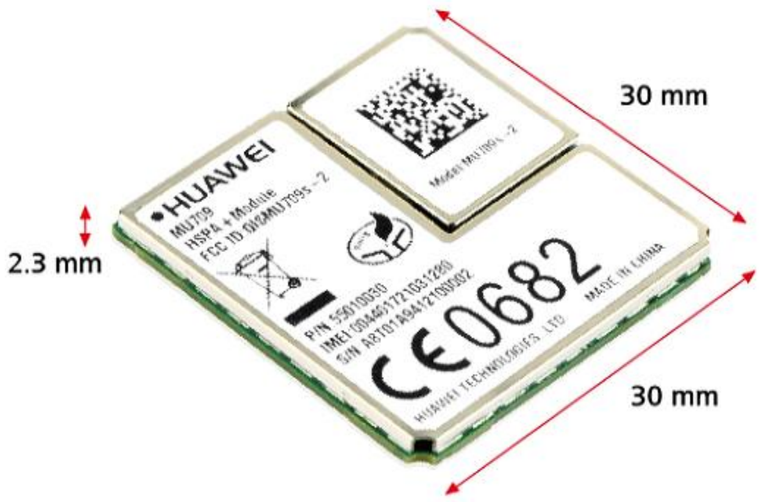
- UMTS/HSPA:
  Dual-Band: 900/2100MHz
  Thi-Band: 850/1900/2100MHz
- GSMGPRS/EDGE: 850/900/1800/1900 MHz
- Output Power
  UMTS: +24dBm (Power Class 3)
  GSM800 Class 4 (2 W)
  GSM900 Class 4 (2 W)
  GSM1800 Class 1 (1 W)
  GSM1900 Class 1 (1 W)
- Sensitivity
  GSM 850/900 MHz: -110 dBm
  GSM 1800/1900 MHz: -109 dBm
  WCDMA 850/900 MHz: -112 dBm
  WCDMA 1900 MHz: -111 dBm
  WCDMA 2100 MHz: -111 dBm
- AT commands
  3GPP TS 27.007 and 27.005
  Huawei extended AT command
- Power supply: 3.3 V to 4.2V (typical: 3.8V)
- Temperature range: -40°C to 85°C
- Humidity: 5% - 95%
- Dimensions: 30 mm x 30 mm x 2.3mm
- Weight: approx. 5g
- USB driver for Linux /Android

http://consumer.huawei.com/m2m

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Voice

- DTMF support
- PCM voice support
- Voice codec: AMR (all rates)

Data

- HSPA: UL 5.76 (Mbps)/ DL (21.6 Mbps)
- WCDMA PS: UL (384 kbps)/ DL (384 kbps)
- EDGE: UL (236.8 kbps)/ DL (236.8 kbps)
- GPRS: UL (85.6 kbps)/ DL (85.6 kbps)

SMS

- MO / MT
- Text / PDU mode

Additional Features

- FTP/HTTP
- High Speed UART
- FOTA (Firmware Over The Air)
- Firmware update via USB/UART
- CDC-ECM support (Linux)
- Embedded TCP/IP stack
- Jamming Detection
- Netscan / Network Monitoring
- Cell lock
- CMUX
- eCall
- SSL
- SMTP

Supplementary Service

- Call forwarding / hold / waiting
- USSD

Interfaces

- Antenna interface
- 145 pin LGA interface
- UART (High Speed)
- USB 2.0 High speed
- PCM Voice
- SIM Interface (1.8V / 3.0V)
- GPIOs
- Power supply
- Reset

Approvals & Certifications

- CCC
- FCC
- WEEE
- CE
- PTCRB
- GCF
- ROHS

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.