



HUAWEI MU609T

Automotive Module

LGA Package

Quad-band EDGE/GPRS/GSM

Analog Audio

eCall, FOTA

Compact Design

DL (14.4 Mbps)/UL (5.76 Mbps)

PCM Voice

CCC, CE, TS1649 compliance

Quad-band HSPA+/UMTS

GPS

Embedded TCP/IP Stack

MU609T is an automotive grade UMTS module, dedicated for automotive M2M market. It is pin-to-pin compatible with MC609T, offers full set of telematics features & functions, including European eCall, GPS...etc.

MU609T is fully type approved, including regional/country & carrier approvals. It is perfect for applications like telematics, fleet management, emergency call, breakdown or roadside assistance.

General Features

- HSPA+/HSPA/UMTS 2100/1900/900/850 MHz
- GSM/ GPRS/ EDGE 1900/1800/900/850 MHz
- GNSS Band L1: 1575.42 MHz
- Control via AT commands
3GPP TS 27.007 and 27.005
Huawei extended AT command
- Embedded TCP/IP stack
- Supply voltage range
3.8 V - 4.2 V (4.0 V is recommended)
- Power consumption
Operational:
Normal: 700 mA

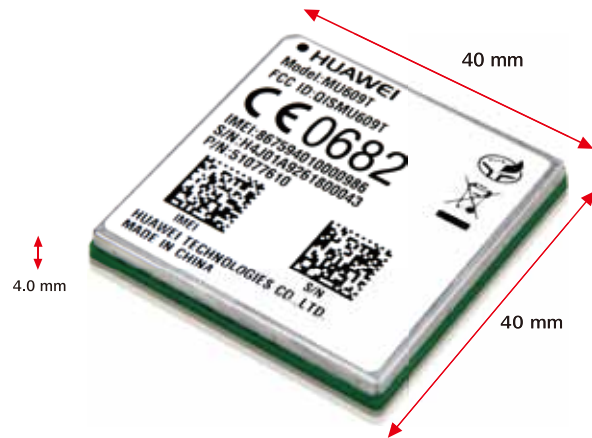
Peak: 2 A

Standby: 2 mA

- Temperature range
Operation temperature: -40°C to +85°C
Class A: -30°C to +75°C (Characteristics guaranteed)
Class B: -40°C to +85°C (Normal working)
Storage: -40°C to +95°C
- Humidity: 5% - 95%
- Dimensions: 40 mm × 40 mm × 4.0 mm
- Weight: <15g

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Voice Features

- PCM voice
- Noise suppression and echo cancellation

Other Features

- FOTA
- eCall
- GPS

Data Features

- GSM CS: UL (9.6 kbps)/DL (14.4 kbps)
- GPRS: UL (85.6 kbps)/DL (107 kbps)
- EDGE: UL (236.8 kbps)/DL (296 kbps)
- WCDMA CS: UL (64 kbps)/DL (64 kbps)
- WCDMA PS: UL (384 kbps)/DL (384 kbps)
- HSPA: UL (5.76 Mbps)/DL (14.4 Mbps)

SMS Features

- New message alert, text message receiving, and text message sending
- Management of text messages: read messages, delete messages, storage status and message list
- Supporting MO and MT
- Point-to-point and cell broadcast

Interfaces

- 140-pin LGA
- UART: one 8-line UART/one 2-line UART
- USB 2.0 High Speed
- SIM card interface
- analog in (ADC) x 1
- GPIO x 8
- Reset
- Power on
- LED
- Antenna interface pin x 3 (Contain GPS)

Approvals & Certifications

- China: CCC
- EU: CE
- Compliance with TS16949

Note:

Huawei reserves the right to make changes or improvements to any of the products without prior notice.

