

Neoway[®] 有方

M590E V1

GSM/GPRS module with data only



有无线 方精彩

LET'S ENJOY WIRELESS LIFE



Operating Temperature:
-40°C to +85°C



DUAL_Band



TCP Client/Server



GPRS
Class 10



Low power
consumption



Single-chip

M590E V1 is a GSM/GPRS module designed specifically for AMR with data-only, a wide operating temperature range, and good EMC performance.

Specifications

- Dual-band: 900/1800 MHz
- GPRS multi-slot Class 10
- Compliant to GSM phase 2/2+
Class 4(2 W)@900 MHz
Class 1(1 W)@1800 MHz
- RX sensitivity: -107 dBm
- 3GPP Release99 compliant
- Control via AT commands: GSM 07.07, 07.05
and Neoway enhanced AT commands
- 27.007, 27.005 and ITU-T V.25 ter
- Integrated TCP client & server, UDP, FTP, DNS
- CMUX 3GPP TS 27.010
- Supply voltage: 3.5 to 4.3V (DC),
3.9 V recommended
- Idle current: < 1.5 mA
- Package: LGA, 27-pin, pitch 2.54 mm
- Dimensions: 27.6 mm x 21.2 mm x 2.6 mm
- Operating temperature: -40°C to +85°C

Features

- GPRS Class 10: Max. 85.6 Kbit/s (DL)
- Coding scheme CS1~CS4
- Mobile Station Class B
- CSD/USSD
- SMS: TEXT/PDU

Interfaces

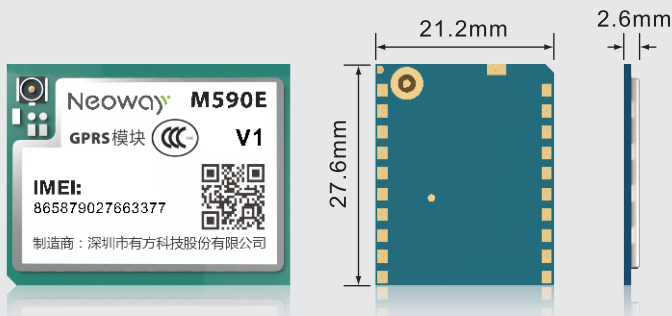
- Power On/Off, Reset, LPG
- Main UART with TXD, RXD, DTR
- Murata GSC RF connector, or pad on board
- External SIM card interface: 1.8 V, 3 V

Highlights

- Single-chip
- Data-only
- RIL driver for Android
- Firmware update via
serial interfaces
- Embedded SIM card chipset

Certifications

- CCC
- CMIIT
- RoHS



- Deeply exploiting electricity customers' demands; designed for data-only application.
- No voice service, low-power consumption, more stable, higher sensitivity

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