

# N1

LTE smart module



有物联 方智能

GET CONNECTED GET SMART



Android 5.1  
Windows 10



Abundant interfaces  
(LCD, Camera, TP,  
Audio etc)



2G: GSM/GPRS/EDGE  
3G: DC-HSPA+  
4G: FDD-LTE



Qualcomm  
chipset



Operating temperature:  
-40°C to +85°C



Ultra-Small Size

Neoway

N1

N1 is an intelligent M2M module, which integrates 2G/3G/4G modem, Wi-Fi, Bluetooth and GPS.

It's a smart-based module, which is developed on Qualcomm Snapdragon chipset.

N1 supports rich peripherals and is ideal for industrial smart terminal solutions.

## Features

- OS  
Android 5.1  
Windows 10
- Processor  
Quad core, ARM Cortex-A7,  
1.3 GHz, 28 nm
- Memory  
RAM: 8 Gb LPDDR3 SDRAM, up to 533 MHz  
Flash: 8 GB NAND
- Graphic  
Decode: 1080p @ 30fps/HEVC/  
H.264/MP4/DivX / Vp8/ WVGA30:H.263  
Encode: 720p @ 30fps /H.264/  
WVGA30:H.263
- Modem Band  
FDD-LTE: B1, B3, B7, B8, B20  
UMTS: B1, B8  
GSM/GPRS/EDGE: B2, B3, B5, B8
- Data feature  
LTE: CAT4 (150Mbps DL, 50Mbps UL)  
UMTS: DC-HSPA+ (42Mbps DL, 11Mbps UL)
- Connectivity  
Wi-Fi: 802.11 b/g/n, supporting AP mode  
Bluetooth: BT3.0, BT4.0 (BLE)  
GNSS: GPS/A-GPS, GLONASS and Beidou  
FM radio: Rx only with RDS
- User Interfaces  
Display: HD (720\*1280)  
Main camera: 8MP  
Sub camera: 3MP  
TP: Capacitive touch screen  
Audio: 2 differential MIC inputs, 3 outputs

## Specifications

- Supply voltage: 3.5 V to 4.2 V
- Idle current: 4.0 mA
- Max average current: 500 mA
- IO voltage: 1.8 V
- Dimensions: 40.0 mm x 40.0 mm x 2.8 mm
- 152-pin LCC
- 4 antenna PAD(SMD): Cellular, Wi-Fi & BT, GPS
- Operating temperature : -40°C to +85°C
- FOTA

## Interfaces

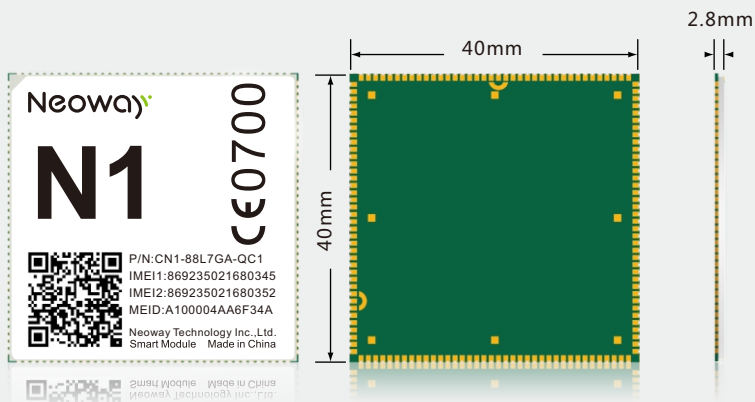
- USB 2.0 HS peripheral
- SDIO3.0
- 2 groups of UART ports
- 52 MHz SPI
- I2C
- GPIO
- PWM
- ADC
- Battery charger

## Applications

- Portable smart terminals  
POS, Metering, Logistics, Asset management
- Smart gateway  
Wireless HUB, Home automation,  
Industrial gateway, MIFI
- Telematics

## Certifications

- CE



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