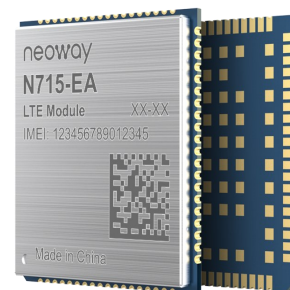


NEOWAY N715-EA

Ideal solution for IoT Applications



- LTE Cat 1 module optimized for M2M and IoT applications
- Audio, 2G, Bluetooth, Wi-Fi Scan, DFOTA
- Applicable to smart metering, sharing equipment, environmental monitoring, etc.
- Specific designing for Europe band.



Chipset

UNISOC 8910DM

N715-EA is Neoway 2nd-Generation LTE Cat.1 module that support 2G feature. Which would be much suitable for the smart meter and further sharing product. It Adopts the 3GPP Rel.13 LTE technology, which could deliver 10Mbps downlink and 5Mbps uplink data rates.



Operating temperature

-40°C to +85°C, industrial grade

This module has an excellent RF performance. It supports low power consumption and ultra wide operating temperature range. N715-EA supports various network protocols and provides industrial grade interfaces. With abundant functionalities and USB serial drivers for Windows 7/8/8.1/10, Linux, and Android OS, N715-EA is an optimal option for energy metering, telematics, industrial router, industrial PAD, video surveillance, environmental monitoring, etc.



Various protocols

TCP/IP/UDP/MQTT IoT protocols

The N715-EA can be used in regions including China, India and European country where LTE networks are deployed.



Compact package

LCC+LGA package
23.8 mm × 22.8 mm × 2.45 mm
Reduce product size



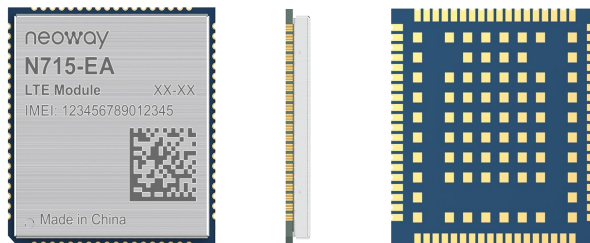
Technical support

Reference designs, evaluation kits
Timely support via emails, calls, and IM
Field support



N715-EA LTE Cat 1

Ideal solution for IoT Applications



Specifications

N715-EA	LTE-FDD: B1, B3, B5, B7, B8, B20, B28 LTE-TDD: B34, B40, B41
Supply voltage	3.4 to 4.2 V(DC), Typ.: 3.6V
Operating temperature	-40°C to +85°C
Dimensions	(23.8±0.1)mm×(22.8±0.1)mm×(2.5±0.15)mm
Package	LCC(76pin)+LGA(72 pin)
Power consumption	TBD
AT	3GPP TS 27.007, 27.005 Neoway enhanced AT commands
CPU	ARM A5, 500 MHz main frequency
Memory	RAM: 128 Mb ROM: 64 Mb

Interfaces

POWER, PWRKEY_N, RESET_N
USB2.0, UART
PCM, I2C, SPI, GPIO
ADC
SDIO
1.8V/3.0V USIM interface
MIC/SPK/EAR
LCD/Camera
6*6 Keyboard
NET_LIGHT
Cellular antenna interfaces

Certification Approvals

CE*, RoHS*

* indicates in development

Features

Data rate	GPRS: Max 85.6 kbps (DL)/Max 85.6 kbps (UL) FDD-LTE: Cat1, Max 10 Mbps (DL)/Max 5 Mbps (UL) TDD-LTE: Cat1, Max 8 Mbps (DL)/Max 2 Mbps (UL)
Bluetooth	BT/BLE 4.2
Wi-Fi	Wi-Fi scan ONLY
SMS	TEXT/PDU Point to Point/Cell Broadcast
Network protocols	TCP/UDP/MQTT/PPP/NTP/FTP /HTTP/ HTTPS/SSL/TLS
Firmware upgrade	Via USB or FOTA
USB Driver	Windows 7/8/8.1/10 Linux 2.6 ~ 4.4 Android 4.x/5.x/6.x/7.x/8.x/9.x

Enhanced Features

4G antenna, 50Ω characteristic impedance
Three UART interfaces, one of which supports hardware flow control
Two USIM interface, compatible with 1.8V/3.0V USIM cards
One USB2.0 high-speed interface
Four 12-bit ADC interfaces, detectable voltage ranging from 0.1 to VBAT_BB
One SPI interface
One I2C interface
One audio input and one audio output
One LCD input and One SPI Camera
6*6 Keyboard
Dual-USIM-single-standby (Optional)*
Differential Firmware Over-the-Air (DFOTA)
GPRS
VoLTE
MCU software OTA*
Bluetooth 4.2*
Wi-Fi SCAN

Neoway Technology Co., Ltd.

Technical support: support@neoway.com

For more information, please visit www.neoway.com

Copyright © 2022, Neoway Technology Co., Ltd. All rights reserved.

