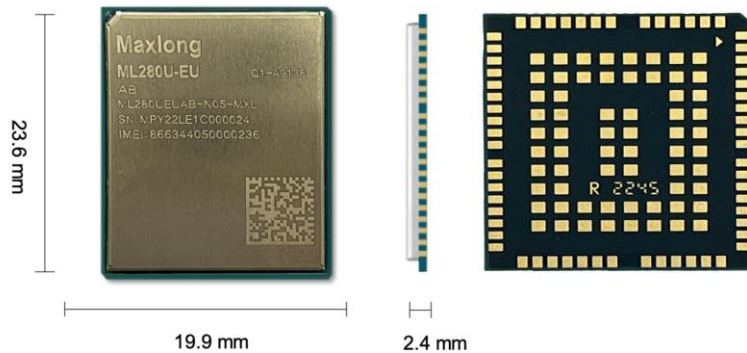




碩久科技有限公司

MaxLong Technology Co., Ltd

# IoT/M2M-optimized LTE Cat 1 Module ML280U-EU



## Features

1. LTE Cat 1 module optimized for M2M and IoT applications
2. It delivers maximum data rates up to 10 Mbps downlink and 5 Mbps uplink.
3. It can easily migrate from 2G to 4G network to meet the needs of different industry applications.
4. Obtained CCN certification
5. Made in Malaysia
6. Abundant functional interfaces
9. Support FOTA
10. Super cost-effective

# Specification

LTE Cat 1	ML280U-EU
Region/Operator	EMEA
Dimensions (mm)	23.6 × 19.9 × 2.4
Temperature Range	
Operating Temperature	-35 °C to +75 °C
Extended Temperature	-40 °C to +85 °C
Frequency Bands	
LTE-FDD	B1/B3/B5/B7/B8/B20/B28
LTE-TDD	/
GSM	B2/B3/B5/B8
Certifications	NCC
Data Rates	
LTE-FDD (Mbps)	10 (DL)/ 5 (UL)
LTE-TDD (Mbps)	/
GSM (kbps)	85.6 (DL)/ 85.6 (UL)
Interfaces	
(U)SIM	× 2 (Optional for (U)SIM2)
UART	× 3
USB 2.0	× 1
Digital Audio (PCM)	× 1
Analog Audio	× 1 (Audio Input) × 1 (Audio Output)
SPI	× 1
ADC	× 2
I2C	× 1
RESET	× 1
PWRKEY	× 1
Main Antenna	× 1
Wi-Fi Scan/Bluetooth Antenna	× 1
Voice	
Speech Codec Modes	AMR-NB (8K)/AMR-WB
VoLTE	VoLTE (Voice over LTE) (Optional)

## Applications

ML280U-EU has a rich set of Internet protocols, industry-standard interfaces and abundant functionalities (USB drivers for Windows 7/8/8.1/10, Linux, Android) extend the applicability of the module to a wide range of M2M and IoT applications such as POS/PoC/ETC, shared equipment, data card, energy control and monitoring, security and protection, and industrial PDA.

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