17.6mm | 15.8mm | 2.3mm

L620
IoT module

L620 is a NB-IoT module for LCC package, with stable and reliable performance. It supports low / mid / high bands operation defined by the 3GPP R13/R14.

L620 size is only 17.6*15.8*2.3mm and very convenient for SMT. It can meet the needs of customers for small module products and facilitate customers to reduce product size and optimize product costs. It can be widely used for various products and equipment of IoT.

| LCC | NB-IoT | Temperature -40°C to +85°C |
| AT | Ultra Low Power Consumption | eSIM |

Main Features

- Frequency Bands: Band1/2/3/5/8/12/13/17/18/19/20/25/26/28/66/70
- Output Power : 23dBm±2dB
- Sensitivity : -139dBm±1dB
- Support AT command
- Operation Temperature Range : -40℃ ~ +85℃
- Supply Voltage Range : 2.1 ~ 3.6V (3.3V Typ)
- Dimensions : 17.6*15.8*2.3mm
- Package : LCC
- Weight : Approx 1g

Other features

- Firmware Update : Firmware updated via UART
- Support PSM and eDRX mode
- Support UDP/TCP/SNTP/MQTT/HTTP/CoAP/TLS/LwM2M/OneNet

Data transmission

- Support Cat NB1/NB2
  DL 25.5kbps
  UL 35.35kbps(single-tone)/
     58.3kbps(multi-tone)

Interfaces

- UART
- SIM (3.0V/1.8V) or eSIM
- IIC
- ADC
- SPI
- IIS
- GPIO
- PWM
- Antenna

Power consumption

- PSM : 3.5uA@3.3V
- eDRX : 150uA@3.3V/1.28s/value <= 81.92S
- DRX : 0.9mA@3.3V/1.28s
- Band3 : 144.6mA@3.3V/22.75dBm
- Band5 : 123.9mA@3.3V/22.9dBm
- Band8 : 135.8mA@3.3V/22.75dBm

Certification

- CCC*/TA*/CE*/RoHS*

LYNQ