

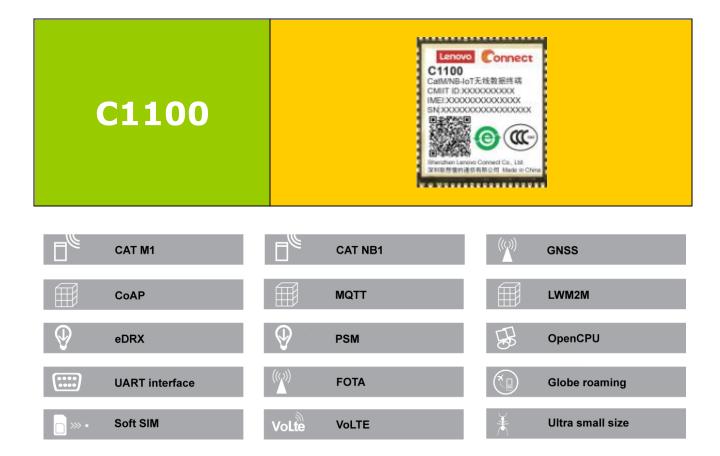


eMTC/NB-IoT/EGPRS Cellular Module

Lenovo Connect C1100 is one of the smallest LPWAN modules in LCC castellation packaging with the compact size of $24.0 \times 26.0 \times 2.5$ mm, ultra low power consumption and extended temperature range.

Designed for use in any LPWAN network in the world. In eMTC network, C1100 enables connect to the Internet at DL data speed up to 512Kbps. In the area where eMTC service are not available, C1100 still enables reliable and secure data connect over NB-loT/EGPRS network.

To save space on the application platform, C1100 comes as an extremely slim and compact module. This makes it ideally suited for a broad range of mobile computing devices, and particularly offers easy integration with AMI, POS, Security, Intelligent Buildings and other M2M application.



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C1100

eMTC/NB-IoT/EGPRS Module

Cellular

General features:

- LTE-TDD Cat M1(eMTC) Single-band R39
- LTE-FDD Cat M1(eMTC) B1/B2/B3/B4/B5/B8/B12/B13/B17/B18/ B19/B20/B26/B28
- NB-IoT
 - B1/B2/B3/B4/B5/B8/B12/B13/B17/B18/ B19/B20/B26/B28
- EGPRS Quad-band B2/B3/B5/B8
- Control via AT commands (GSM07.05,GSM07.07,V.25TER,GPRS, and Lenovo enhanced AT commands)
- Supply voltage range 3.1V-4.2V
- Low Power consumption
- eDRX mode: <1.0mA
- PSM mode: <7µA
- Dimensions: 24.0mm×26.0mm×2.5mm
- · Soldering mounted type
- Temperature range:-40°C to +85°C

Specifications for data:

- Cat M1 R13
- Up to 1Mbps DL&UL
- Cat NB1 R13

Up to 200Kbps DL&UL

Additional features:

- Embedded TCP/IP stack
- MQTT
- LWM2M
- UDP
- CoAP
- TTSLenovo FOTA
- OpenCPU
- Soft SIM

Interfaces:

- LCC package
- Power supply
- USIM/SIM 3V, 1.8V
- UART
- NET_STATUS
- PCM
- IIC
- RESET#
- POWER_ON#
- VOUT_2V85
- VOUT_1V8
- ADCs (1.8V tolerance)
- -SPI
- -USB
- -GPIOs
- -GNSS
- Antenna interface

Approvals:

• RoHS/CCC/CTA/GCF/CE/PTCRB/FCC

	Suffix	Cell Mode	GNSS	Band	TAF Compatible
C1100	MGGT	CatM/NB/GPRS	Support	Global Band	Support