
















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 × 26.0 × 2.5mm, 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-IoT/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 AML, POS, Security, Intelligent Buildings and other M2M application.



 CAT M1	 CAT NB1	 GNSS
 CoAP	 MQTT	 LWM2M
 eDRX	 PSM	 OpenCPU
 UART interface	 FOTA	 Globe roaming
 Soft SIM	 VoLTE	 Ultra small size



C1100

eMTC/NB-IoT/EGPRS
Module

Cellular

General features:

- LTE-TDD Cat M1(eMTC) Single-band B39
- 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
- TTS
- Lenovo FOTA
- OpenCPU
- Soft SIM

Approvals:

- RoHS/CCC/CTA/GCF/CE/PTCRB/FCC

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

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