



eMTC/NB-IoT/EGPRS Cellular Module

Longsung A9500 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, A9500 enables connect to the Internet at DL data speed up to 512Kbps. In the area where eMTC service are not available, A9500 still enables reliable and secure data connect over NB-IoT/EGPRS network.

To save space on the application platform, A9500 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.



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



A9500

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 LongSung 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
- LongSung 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
A9500	MGGT	CatM/NB/GPRS	Support	Global Band	Support