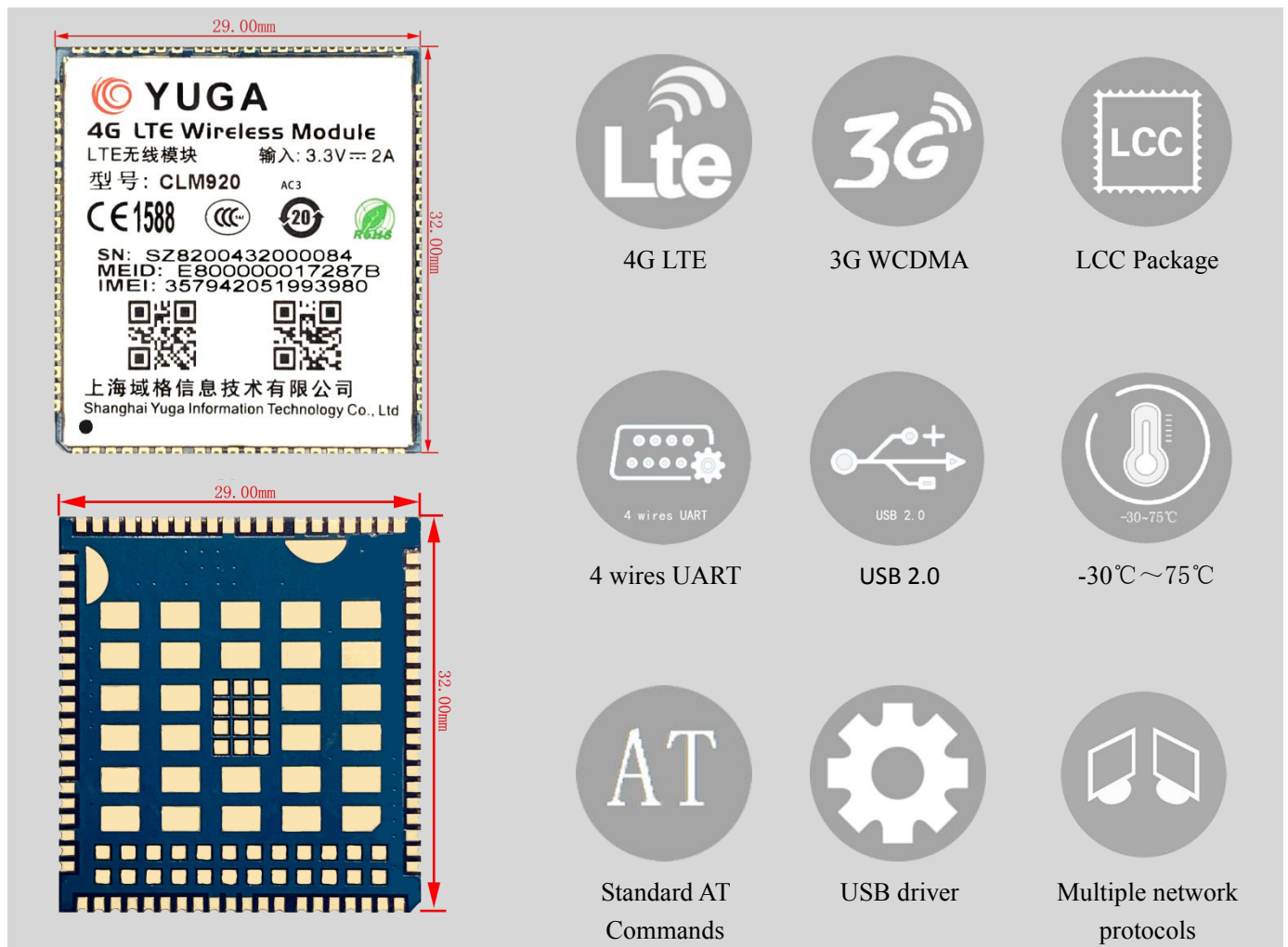


# CLM920\_AC3

## LTE Cat4 LCC Module



The image displays two views of the CLM920\_AC3 module: a top view of the white LCC package and a bottom view of the blue carrier. Both views show dimensions of 29.00mm by 32.00mm. The top view includes the YUGA logo, product name '4G LTE Wireless Module', and various identification numbers (SN, MEID, IMEI) and QR codes. The bottom view shows the carrier's grid structure.

Key features and specifications are listed in a grid of icons:

- 4G LTE
- 3G WCDMA
- LCC Package
- 4 wires UART
- USB 2.0
- 30°C ~ 75°C
- Standard AT Commands
- USB driver
- Multiple network protocols

### Product description

The CLM920\_AC3 module is a wireless communication module that integrates various network standards such as FDD-LTE/TDD-LTE/WCDMA, and supports a maximum downlink rate of 150 Mbps and a maximum uplink rate of 50 Mbps. The module is based on ASR's ASR1802SL platform, built-in multiple network protocols (PAP, PPP, CHAP, TCP, UDP, etc.) and supports multiple functions (W\_DISABLE, WAKEUP, AP\_READY, etc.), supports Windows 7/Windows 8/Windows 10/ Embedded operating system such as Android 4.0 or higher.

### Product advantages

- ❖ Support LTE/HSPA+
- ❖ Support LTE CAT4
- ❖ Support MIMO architecture antenna solution
- ❖ LCC package for M2M design
- ❖ Stable performance and high cost performance
- ❖ CCC ROHS certification

# CLM920\_AC3

## LTE Cat4 LCC Module

General characteristics		Electrical characteristics	
Frequency system	FDD-LTE B1/B3/B5/B8	✧ <b>Output Power</b>	
	TDD-LTE B34/B38/B39/B40/B41	Class 3 (23dBm ±2dB) for LTE	
	UMTS/HSDPA/HSPA+ B1/B5/B8	Class 3 (24dBm +1/-3dB) for UMTS	
Supply voltage range:3.3V~ 4.2V Typical voltage 3.7V		✧ <b>Sensitivity</b>	
Normal operating temperature: -30 °C ~ +75 °C		LTE B1:-101.2dBm(10M)	LTE B3:-99.7dBm(10M)
Extreme working temperature: -40 °C ~ +85 °C		LTE B5:-102.2dBm(10M)	LTE B8:-102.2dBm(10M)
3D size: 29.0mm×32.0mm×2.4mm		LTE B34:-98.7dBm(10M)	LTE B38:-99.2dBm(10M)
Antenna: MIMO 2*2,Support diversity		LTE B39:-99.2dBm(10M)	LTE B40:-100.2dBm(10M)
AT command:Meet the 3GPP TS27.007 instruction set		LTE B41:-99dBm(10M)	
<b>Specification details</b>		UMTS B1:-110dBm	
		UMTS B8:-110dBm	
		UMTS B5:-110dBm	
LTE FDD UP:50Mbps,DL:150Mbps	<b>Interface</b>		
LTE TDD UP:35Mbps,DL:130Mbps			
TD-HSDPA/HSUPA UL:2.2Mbps,DL:2.8 Mbps			
DC-HSPA+ UP:5.76 Mbps, DL: 42 Mbps	USB 2.0	RESET	
UMTS UP/DL: 384Kbps	UART	SDIO	
<b>Other characteristics</b>		PCM	ADC
		SIM CARD	NET_STATUS
		W_DISABLE	WAKEUP
USB driver support Windows 2000/XP/7/8	NET_MODE		
Windows CE/Mobile/ Linux/Android	<b>Development function*</b>		
RIL support Android/Windows CE/Mobile			
NIDS support Windows XP/7/8/CE			
Upgrade software via USB	SDIO interface supporting WIFI		
TCP/IP/IPV4/V6 Multi-PDP, MT PDP	USIM card detection		