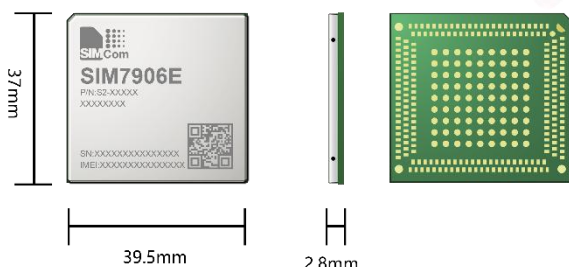


SIM7906E

SIMCom LTE Cat 6 Module

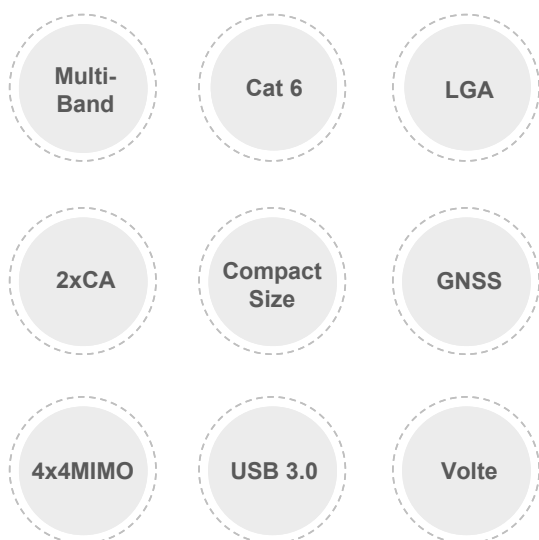


Product Description

SIM7906E is the LTE Cat 6 module which supports wireless communication modes of LTE-TDD/LTE-FDD/HSPA+. It supports maximum 300Mbps downlink rate and 50Mbps uplink rate.

SIM7906E adopts LGA form factor. It is easy for customers to integrate.

SIM7906E integrates multiple satellite high accuracy positioning GNSS systems, with multiple built-in network protocols, supports drivers for main operation systems (USB driver for Windows, Linux and Android etc.) and software function, AT commands are compatible with SIM7500/SIM7600/SIM7906 series modules. Meanwhile SIM7906E integrates main industrial standard interfaces, with powerful expansibility, including abundant interfaces such as UART, USB, GPIO, which is suitable for main IoT applications such as telematics, surveillance devices, CPE, industrial routers, and remote diagnostics etc.



Key Benefits

- ◆ LGA interface with strong compatibility
- ◆ Suitable for LTE, HSPA+ networks with global coverage
- ◆ Abundant software functions: FOTA, SSL, TLS
- ◆ Multi-constellation GNSS receiver support
- ◆ AT commands of SIM7912G-M2 are compatible with the SIM7500/SIM7600/SIM7906 series modules

Product		SIM7906E
Form Factor		LGA
Dimensions(mm)		39.5*37.0*2.8
Frequency Bands	LTE-FDD	B1/B3/B5/B7/B8/B20/B28/B32
	LTE-TDD	B34/B38/B40/B41
	CA	2CA: B1+B1/B3/B5/B7/B8/B20/B28/B38/B40/B41 B3+B3/B5/B7/B8/B20/B28/B38/B40/B41 B7+B5/B7/B8/B20/B28; B20+B38/B40; B38+B38; B40+B40; B41+B41
	WCDMA	B1/B3/B5/B8
GNSS		•
Temperature		-30°C ~ +70°C
Electrical Features		
Supply Voltage(V)		3.3 ~ 4.3
Data Transfer		
LTE		300Mbps(DL)/50Mbps(UL)
HSPA+		42Mbps (DL)/11.2Mbps(UL)
Software Features		
Protocol		TCP/IP/IPV4/IPV6/Multi-PDP/FTP/FTPS/HTTP/HTTPS/MQTT/S/DNS/SSL3.0
TLS		•
File System		•
FOTA		•
Android RIL		Android 6/7/8/9
USB Driver		Microsoft Windows Win7/Win8/Win10/Linux/Android
MBIM		Win8/Win10
NDIS		Linux/Win7/Win8/Win10
Firmware Upgrade		USB
Interfaces		
SIM Card		1.8V/2.95V
USB		•
PCM		•
I2C		•
Diversity Receiver		•
Certifications		
Regulatory		CE*

•: support o: optional *: on going