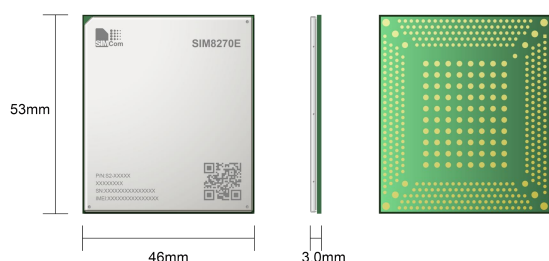


SIM8270E

SIMCom 5G Sub-6G Module



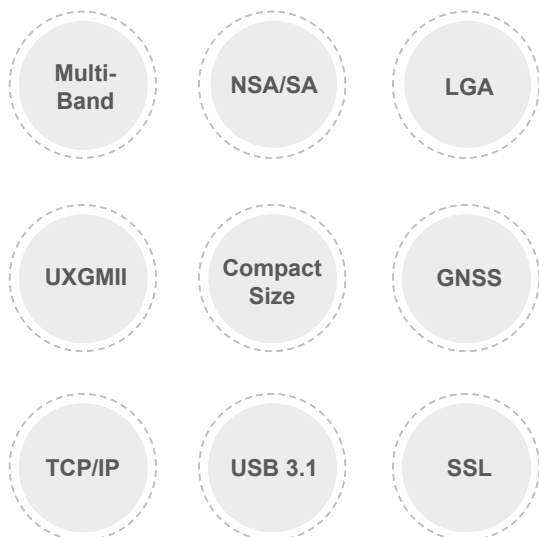
Product Description

SIM8270E is a Multi-Band 5G NR/LTE-FDD/LTE-TDD/HSPA+ module which supports R17 5G NSA/SA.

With a rich protocols, it is integrated with interfaces such as PCIe, USB3.1, GPIO etc. This module provides applications with great flexibility and ability of integration.

SIM8270E adopts LGA form factor. AT commands of SIM8270E are compatible with SIM8260 series modules. This also minimizes costs for customer and shortens time to market.

It is designed for applications that need huge data transmission in various wireless situations. Due to its high efficiency, security and flexibility, this module suits various applications.



Key Benefits

- ◆ LGA form factor with various interfaces
- ◆ Huge data transmission
- ◆ AT commands of SIM8270E compatible with SIM8260 series modules

Product		SIM8270E
Form Factor	LGA	
Dimensions(mm)	46.0*53.0*3.0	
Frequency Bands	5G SA	n1/n3/n5/n7/n8/n20/n26*/n28/n38/n40/n41/n75/n76*/n77/n78
	5G NSA	n1/n3/n5/n7/n8/n20/n26*/n28/n38/n40/n41/n75/n77/n78
	8RX BAND	n38/n41/n77/n78
	LTE-FDD	B1/B3/B5/B7/B8/B18*/B19*/B20/B26*/B28/B32
	LTE-TDD	B38/B40/B41/B42/B43/B46*
	WCDMA	B1/B5/B8
GNSS	GPS/GLONASS/Beidou/Galileo/QZSS	
Temperature	-30°C ~ +70°C	
Electrical Features		
Supply Voltage(V)	3.3 ~ 4.4	
Data Transfer		
Sub-6G SA	5.3Gbps(DL)/1Gbps(UL)	
Sub-6G NSA	5Gbps (DL)/600Mbps(UL)	
LTE	2Gbps(DL)/200Mbps(UL)	
HSPA+	42Mbps (DL)/5.76Mbps(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	●	
UXGMII	2	
PCIE	3	
I2C	●	
Diversity Receiver	●	
Certifications		
Regulatory	CE(RED)*/GCF*/RoHS*/REACH*	

● : support ○ : optional * :means under developing/on-going/planning