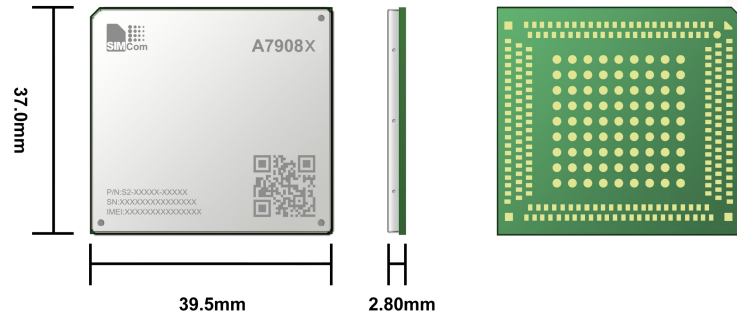


V: 2024.1

# A7908

## SIMCom LTE Cat 6 Module



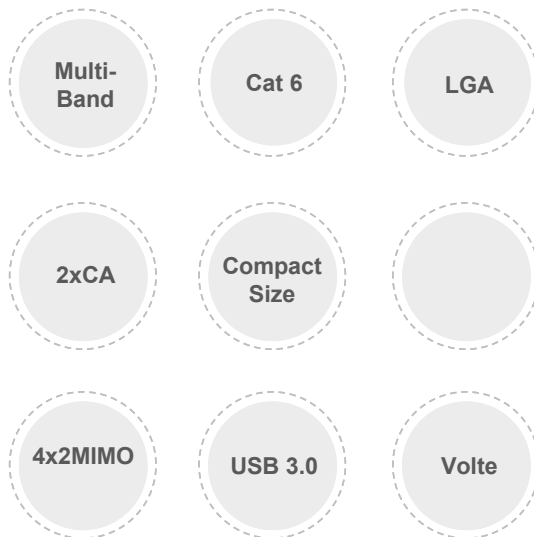
### Product Description

A7908 is a Multi-Band LTE-FDD/LTE-TDD/HSPA+ module which supports Category 6 with CA and MIMO.

With a rich protocols, it is integrated with interfaces such as PCIe, USB3.0, GPIO etc. This module provides applications with great flexibility and ability of integration.

A7908 adopts LGA form factor. AT commands of A7908 are compatible with SIM79XX 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 A7908 compatible with SIM79XX series modules

Product	A7908E	A7908SA
<b>Form Factor</b>	LGA	LGA
<b>Dimensions(mm)</b>	39.5*37.0*2.8	39.5*37.0*2.8
<b>LTE-FDD</b>	B1/B3/B5/B7/B8/B20/B28/B32	B2/B4/B5/B7/B8/B28/B66
<b>Frequency Bands</b>		
<b>LTE-TDD</b>	B38/B40/B41/B42*/B43*	B38/B40/B42*/B43*
<b>WCDMA</b>	B1/B5/B8	B2/B4/B5
<b>MIMO</b>	4x2 MIMO	4x2 MIMO
<b>Temperature</b>	-30°C ~ +70°C	-30°C ~ +70°C
<b>Electrical Features</b>		
<b>Supply Voltage(V)</b>	3.3 ~ 4.3	3.3 ~ 4.3
<b>Data Transfer</b>		
<b>LTE</b>	300Mbps(DL)/50Mbps(UL)	300Mbps(DL)/50Mbps(UL)
<b>HSPA+</b>	42Mbps (DL)/5.6Mbps(UL)	42Mbps (DL)/5.6Mbps(UL)
<b>Software Features</b>		
<b>VSIM</b>	•	•
<b>Protocol</b>	TCP/IP/IPV4/IPV6/Multi-PDP/FTP/FTPS/HTTP/HTTPS/MQTTs/DNS/SSL3.0	TCP/IP/IPV4/IPV6/Multi-PDP/FTP/FTPS/HTTP/HTTPS/MQTTs/DNS/SSL3.0
<b>TLS</b>	•	•
<b>File System</b>	•	•
<b>FOTA</b>	•	•
<b>Android RIL</b>	Android 6/7/8/9/10/11/12	Android 6/7/8/9/10/11/12
<b>USB Driver</b>	Microsoft Windows Win7/Win8/Win10/Win11/Linux/Android	Microsoft Windows Win7/Win8/Win10/Win11/Linux/Android
<b>MBIM</b>	Win8/Win10/Win11	Win8/Win10/Win11
<b>NDIS</b>	Linux/Win7/Win8/Win10/Win11	Linux/Win7/Win8/Win10/Win11
<b>Firmware Upgrade</b>	USB	USB
<b>Interfaces</b>		
<b>SIM Card</b>	1.8V/2.95V	1.8V/2.95V
<b>USB</b>	•	•
<b>PCM</b>	•	•
<b>I2C</b>	•	•
<b>Diversity Receiver</b>	•	•
<b>Certifications</b>		
<b>Regulatory</b>	ROHS/REACH/CE/RCM	ROHS*/REACH*/Anatel*

• : support    ◦ : optional    \* : means under developing/on-going/planning