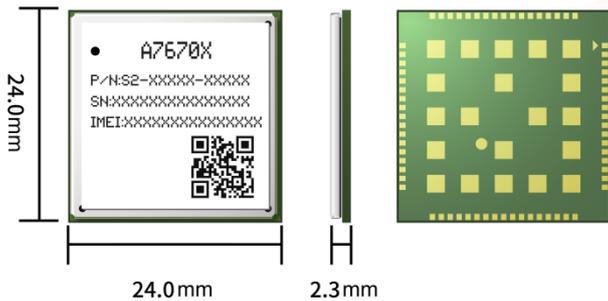


V: 2020.02

A7670 Series

SIMCom LTE Cat1 Module



Product Description

The A7670 series is the LTE CAT1 module which support wireless communication modes of LTE-TDD/LTE-FDD/GSM/GPRS/EDGE. It supports maximum 10Mbps downlink rate and 5Mbps uplink rate

The A7670 series adopts LGA form factor and is compatible with NB/CATM modules SIM7000/SIM7070 Series , and 2G modules SIM800A/SIM800F, which enables smooth migration from 2G/NB/CATM products to LTE CAT1 products, and greatly facilitates more compatible product design for the customer needs.

The A7670 series supports multiple built-in network protocols, supports drivers for main operation systems (USB driver for Windows, Linux and Android etc.) and software function, AT command is compatible with SIM7500/SIM7600 series modules. Meanwhile the A7670 series integrates main industrial standard interfaces, with powerful expansibility, including abundant interfaces such as UART, USB, I2C, GPIO, which is suitable for main IOT applications such as telematics, surveillance devices, POS, industrial routers, and remote diagnostics etc.



Key Benefits

- ◆ Small Size LTE Cat1 Module.
- ◆ LGA package with abundant interfaces.
- ◆ Suitable for LTE and GSM networks.
- ◆ Abundant software functions: FOTA, LBS, SSL.
- ◆ The package of A7670 series are compatible with SIM7000/SIM7070 Series.

Product	A7670C	A7670E	A7670SA
Package	LGA	LGA	LGA
Dimensions(mm)	24.0*24.0*2.3	24.0*24.0*2.3	24.0*24.0*2.3
Frequency Bands	LTE-FDD	LTE-FDD: B1/B3/B5/B8	B1/B2/B3/B4/B5/B7/B8/B28/B66
	LTE-TDD	B34/B38/B39/B40/B41	
	GSM	900/1800MHz	900/1800MHz
Temperature	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C
Electrical Features			
Supply Voltage	3.4V~ 4.2V	3.4V~ 4.2V	3.4V~ 4.2V
Power	LTE 3.8	3.8	3.8
Consumption (mA)	GSM,BS_PA_MFRMS=2 3.5	3.5	3.5
Data Transfer			
LTE(Mbps)	10(DL)/5(UL)	10(DL)/5(UL)	10(DL)/5(UL)
GPRS/EDGE(Kbps)	236.8(DL)/236.8(UL)	236.8(DL)/236.8(UL)	236.8(DL)/236.8(UL)
Software Features			
Protocol	TCP/IP/IPV4/IPV6/Multi-PDP/FTP/FTPS /HTTP/HTTPS/DNS	TCP/IP/IPV4/IPV6/Multi-PDP/FTP/FTPS /HTTP/HTTPS/DNS	TCP/IP/IPV4/IPV6/Multi-PDP/FTP/FTPS /HTTP/HTTPS/DNS
TLS	•	•	•
File System	•	•	•
Audio Record/Play	o	o	o
TTS	o	o	o
LBS	•	•	•
FOTA	•	•	•
Android RIL	Android 5.0/6.0/7.0/8.0/9.0	Android 5.0/6.0/7.0/8.0/9.0	Android 5.0/6.0/7.0/8.0/9.0
USB Driver	Microsoft Windows 7/8/10 Linux/Android	Microsoft Windows 7/8/10 Linux/Android	Microsoft Windows 7/8/10 Linux/Android
WWAN (RNDIS)	•	•	•
ECM	•	•	•
Embedded AT	o	o	o
Firmware Upgrade	USB/FOTA	USB/FOTA	USB/FOTA
Interfaces			
SIM Card	1.8V/3.0V	1.8V/3.0V	1.8V/3.0V
UART	•	•	•
USB	•	•	•
PCM	o	o	o
ADC	•	•	•
GPIO	•	•	•
I2C	•	•	•
Certification			
Certification	CCC*/TA*/CTA*	CE-RED*/RoHS*/ REACH*	CE-RED*/RCM*/FCC*/Anatel*/RoHS*/ REACH*

•: support o: optional * : on going

The Netherlands



Elektrostraat 17
NL-7483 PG Haaksbergen

T: +31 (0)53 573 33 33
F: +31 (0)53 573 33 30
E: nl@texim-europe.com

Belgium



Zuiderlaan 14 bus 10
B-1731 Zellik

T: +32 (0)2 462 01 00
F: +32 (0)2 462 01 25
E: belgium@texim-europe.com

UK & Ireland



St. Mary's House, Church Lane
Carlton Le Moorland
Lincoln LN5 9HS

T: +44 (0)1522 789 555
F: +44 (0)845 299 22 26
E: uk@texim-europe.com

Germany North



Bahnhofstrasse 92
D-25451 Quickborn

T: +49 (0)4106 627 07-0
F: +49 (0)4106 627 07-20
E: germany@texim-europe.com

Germany South



Martin-Kollar-Strasse 9
D-81829 München

T: +49 (0)89 436 086-0
F: +49 (0)89 436 086-19
E: germany@texim-europe.com

Austria



Warwitzstrasse 9
A-5020 Salzburg

T: +43 (0)662 216 026
F: +43 (0)662 216 026-66
E: austria@texim-europe.com

Nordic region



Sdr. Jagtvej 12
DK-2970 Hørsholm

T: +45 88 20 26 30
F: +45 88 20 26 39
E: nordic@texim-europe.com

Italy



Via Matteotti 43
IT-20864 Agrate Brianza (MB)

T: +39 (0)39 971 3293
F: +39 (0)39 971 3293
E: italy@texim-europe.com

General information



info@texim-europe.com
www.texim-europe.com