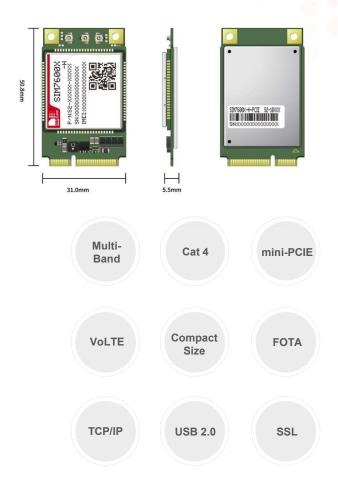


V: 2020.02

SIM7600-H-PCIE Series

SIMCom LTE Cat 4 Module



Product Description

The SIM7600-H-PCIE series is the LTE Cat 4 module which supports wireless communication modes of LTE-TDD/LTE-FDD/HSPA+/GSM/GPRS/EDGE etc. It supports maximum 150Mbps downlink rate and 50Mbps uplink rate.

The SIM7600-H-PCIE series adopts mini PCIE form factor and consists of a SIM7600-H series module and a mini PCIE adapter board. It is easy for customers to integrate.

The SIM7600-H-PCIE series 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 series modules. Meanwhile the SIM7600-H-PCIE series 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

- Mini-PCIE interface with strong compatibility
- Suitable for LTE, UMTS and GSM networks with global coverage
- Abundant software functions: FOTA, LBS, TLS, VoLTE
- Multi-constellation GNSS receiver support
- AT commands of the SIM7600-H-PCIE series are compatible with the SIM7500/SIM7600 series modules



Dimension	Dimensions The part Solution Solutio	318/B19/B26
		318/B19/B26
Part	Tet-Pub BZ/8-1612 BZ/8-1613 BZ/8-166 B1/BZ/8-165 B1/BZ/8-165 B40 B40	
	TET-IDD	
		°C
	SSMS	°C
SMSS	Semperature	°C
Carriage Features	Comperature	°°C
Control Features Control Con	Supply Voltage(V) 3.0~3.6 3.0~	
Supply Voltage(V) 3.0 - 3.6 3.0 - 3.0 3.	Supply Voltage(V) 3.0~3.6 3.0~	
TE COME CO	Nower Nowe Nower Nower Nower Nower Nower Nower Nower Nower	
Sams	Somewainstant DRX=9	
	SSM,BS_PA_MFRMS=2	
Author State Sta	Data Transfer	
SPA+(Mbps) 42(DL)/5.76(UL) 384(DL)/384(UL) 384(DL)/384(DL)/384(DL) 384(DL)/384(DL)/384(DL) 384(DL)/384(DL)/384(DL) 384(DL)/384(DL)/384(DL)/384(DL) 384(DL)/384(DL)/384(DL) 384(DL)/384(DL)/384(DL) 384(DL)/384(DL)/384(DL) 384(DL)/384(DL)/384(DL)/384(DL) 384(DL)/384(DL)/384(DL)/384(DL) 384(DL)/3	SPA+(Mbps) 42(DL)/5.76(UL) 384(DL)/384(UL) 384(DL)/384(UL) 384(DL)/384(UL) 384(DL)/384(UL) 384(DL)/384(UL) 384(DL)/384(UL) 384(DL)/384(UL) 384(DL)/384(UL) 384(DL)/326.8(UL) 384(DL)/3	(UL)
VCDMA(Kbps) 384(DL)/384(UL) 236.8(DL)/236.8(UL) 236.8(DL)/	SPRS/EDGE(Kbps) 384(DL)/384(UL) 236.8(DL)/236.8(UL)	
	TCP/IP/IPV4/IPV6/ TCP/IP/IPV4/IPV6/ TCP/IP/IPV4/IPV6/ Multi-PDP/FTP/FTPS/HTTP/ Multi-PDP/FTP/FTPS/HTTP/ HTTPS/DNS HTTPS/DNS	
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Multi-PDP/FTP/FTPS/HTTP/ HTTPS/DNS	Multi-PDP/FTP/FTPS/HTTP/ HTTPS/DNS	
HTTPS/DNS	HTTPS/DNS	
	File System	
	Sile System	PS/DNS
Nation N	National Record/Play O	
DTMF	TS	
O	OTMF 0 0 0 0 BS • • • OTA • • • amming Detection • • • Android S.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<	
COTA	STOTA	
	SOTA	
Android RIL	Android RIL	
Android RIL	Android RIL Android 5.0/6.0/7.0/8.0/9.0 Microsoft Windows 7/8/10 Microsoft Windows 7/8/10 Microsoft Windows 7/8/10 Win8/Win10 Win8/Win10 Win8/Win10 </td <td></td>	
Microsoft Windows 7/8/10	Microsoft Windows 7/8/10	16 017 019 010
Linux/Android Linux/Androi	Linux/Android Linux/An	
WWAN (RNDIS) • • • CCM • • • IBIM Win8/Win10 Win8/Win10 Win8/Win10 Win8/Win10 Win8/Win10 Linux/Windows 7/8/10 Linux/Windows 7/8/10 <td>WWAN (RNDIS) • • • • ICM • • • • MBIM Win8/Win10 Win8/Win10 Win8/Win10 Win8/Win10 Win8/Win10 IDIS Linux/Windows 7/8/10 Linux/Windows 7/8/10<</td> <td></td>	WWAN (RNDIS) • • • • ICM • • • • MBIM Win8/Win10 Win8/Win10 Win8/Win10 Win8/Win10 Win8/Win10 IDIS Linux/Windows 7/8/10 Linux/Windows 7/8/10<	
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USB/FOTA	irmware Upgrade USB/FOTA USB/FOTA USB/FOTA USB/FOTA USB/FOTA	
SIM Card		
SB	IM Card 1.8V/3.0V 1.8V/3.0V 1.8V/3.0V 1.8V/3.0V	
SB		
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cocket Diversity Receiver FCC/PTCRB/IC/RoHS/ REACH FCC/GCF/RoHS/REACH CE-RED/ACMA/FCC/NCC/ ROHS/REACH/Anatel Telec/JATE/RoHS/REACH	mbedded SIM card	
Diversity Receiver FCC/PTCRB/IC/RoHS/ REACH FCC/GCF/RoHS/REACH CE-RED/ACMA/FCC/NCC/ ROHS/REACH/Anatel Telec/JATE/RoHS/REACH		
Certification FCC/PTCRB/IC/RoHS/ FCC/GCF/RoHS/REACH CE-RED/ACMA/FCC/NCC/ RoHS/REACH/Anatel Telec/JATE/RoHS/REACH		
Regulatory FCC/PTCRB/IC/RoHS/ FCC/GCF/RoHS/REACH CE-RED/ACMA/FCC/NCC/ RoHS/REACH/Anatel Telec/JATE/RoHS/REACH		
	FCC/PTCRB/IC/RoHS/ FCC/GCE/PoHS/PEACH CE-RED/ACMA/FCC/NCC/ Telec/ IATI	
AIKI Verizon Liocomo/Sompani	Carrier AT&T Verizon Docomo/S	/RoHS/REACH

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Product		SIM7600E-H-PCIE	SIM7600E-H1C-PCIE	SIM7600NA-H-PCIE	SIM7600G-H-PCIE
Form Factor		Mini PCIE	Mini PCIE	Mini PCIE	Mini PCIE
Dimensions(mm)		50.8*31*5.35	50.8*31*5.35	50.8*31*5.35	50.8*31*5.35
Jillielisiolis(IIIII)	1)	30.6 31 3.33	30.6 31 3.33		
requency	LTE-FDD	B1/B3/B5/B7/B8/B20	B1/B3/B5/B7/B8/B20	B2/B4/B5/B12/B13/B14/B25/ B26/B66/B71	B18/B19/B20/B25/B26/B28/B6
Bands	LTE-TDD	B38/B40/B41	B38/B40/B41	B41	B34/B38/B39/B40/B41
Janus	WCDMA	B1/B5/B8	B1/B5/B8		B1/B2/B4/B5/B6/B8/B19
	GSM	900/1800MHz	900/1800MHz		850/900/1800/1900MHz
SNSS		0	0	0	0
emperature		-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C
lectrical Featur					
Supply Voltage(3.0~ 3.6	3.0~ 3.6	3.0~ 3.6	3.0~ 3.6
lower	LTE	2.3	2.3	2.3	2.3
Power Consumption	WCDMA, DRX=9	3.3	3.3		3.3
mA)	GSM,BS_PA _MFRMS=2	2.8	2.8		2.8
ata Transfer	2				
TE(Mbps)		150(DL)/50(UL)	150(DL)/50(UL)	150(DL)/50(UL)	150(DL)/50(UL)
HSPA+(Mbps)		42(DL)/5.76(UL)	42(DL)/5.76(UL)		42(DL)/5.76(UL)
WCDMA(Kbps)		384(DL)/384(UL)	384(DL)/384(UL)		384(DL)/384(UL)
GPRS/EDGE(Kbps)		236.8(DL)/236.8(UL)	236.8(DL)/236.8(UL)		236.8(DL)/236.8(UL)
oftware Featur			, , , , , , , , , , , , , , , , , , ,		
rotocol		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	TCP/IP/IPV4/IPV6/ Multi-PDP/FTP/FTPS/HTTP/ HTTPS/DNS
LS		•	•	•	•
File System		•	•	•	•
Audio Record/Play		0	0	0	0
TTS		0	0	0	0
DTMF		0	0	0	0
LBS		•	•	•	•
FOTA		•		•	•
amming Detect	ion	•	•	•	•
anning Detect	.1011	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	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	Microsoft Windows 7/8/10 Linux/Android
VWAN (RNDIS)		•	•	•	•
ECM		•	•	•	•
MBIM		Win8/Win10	Win8/Win10	Win8/Win10	Win8/Win10
NDIS		Linux/Windows 7/8/10	Linux/Windows 7/8/10	Linux/Windows 7/8/10	Linux/Windows 7/8/10
Open Linux		0		0	0
irmware Upgra	de	USB/FOTA	USB	USB/FOTA	USB/FOTA
nterfaces					
IM Card		1.8V/3.0V	1.8V/3.0V	1.8V/3.0V	1.8V/3.0V
JART		•	•	•	•
JSB		•	•	•	•
CM		0	0	0	0
nalog Audio		0	0	0	0
mbedded SIM	card	0	0	0	0
ocket					
	eг	•	0	•	•
Diversity Receiv Certification Regulatory		CE-RED/RoHS/REACH/ IMDA/GCF	CE-RED/RoHS/REACH	FCC*/IC*/PTCRB*/GCF*/ RoHS*/REACH*	CE-RED/FCC/IC/RCM/RoHS*, REACH*

•: support o: optional *: on going