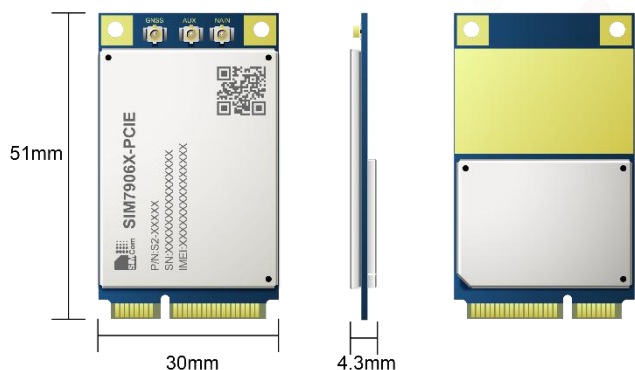


SIM7906E-PCIE

SIMCom LTE Cat 6 Module

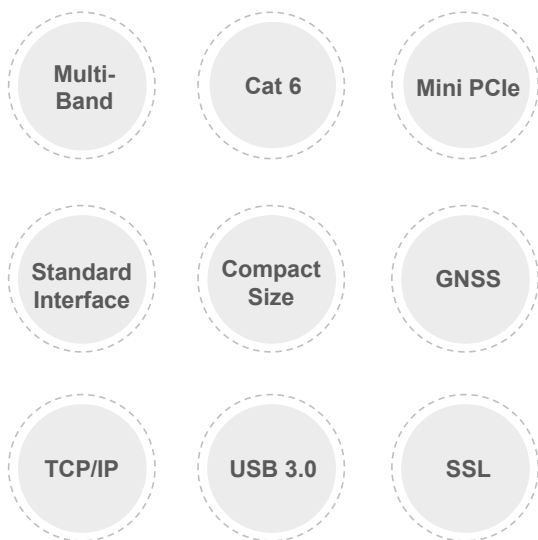


Product Description

SIM7906E-PCIE 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-PCIE adopts Mini PCIe form factor. It is easy for customers to integrate.

SIM7906E-PCIE 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 SIM7906E-PCIE 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, HSPA+ networks with global coverage
- ◆ Abundant software functions: FOTA, SSL, TLS
- ◆ Multi-constellation GNSS receiver support
- ◆ AT commands of SIM7906E-PCIE are compatible with the SIM7500/SIM7600 series modules

General Features

Frequency Bands	LTE-FDD B1/B3/B5/B7/B8/B20/B28/B32
	LTE-TDD B38/B39/B40/B41
	DL 2CA B1+B1/B5/B8/B20/B28; B3+B3/B5/B7/B8/B20/B28; B7+B5/B7/B8/B20/B28; B20+B32; B38+B38; B39+B39; B40+B40; B41+B41; (Note:B32 is only for secondary component carrier)
	WCDMA B1/B3/B5/B8
Supply voltage range	3.1V ~ 4.4V, Typ. 3.3V
Control Via AT Commands	
Operation temperature	-30°C ~ +70°C
Dimensions	30.0*51.0*4.3mm
Weight	6g±0.2g

Data

LTE	Uplink 50Mbps
	Downlink 300Mbps
HSPA+	Uplink 5.76Mbps
	Downlink 42Mbps

Other Features

USB Driver for Microsoft Windows 2000/XP/Vista/Win7/Win8/Win10
USB Driver for Linux /Android
RIL supporting for Android 6/7/8/9
Firmware update via USB
TCP/IP/IPV4/IPV6/Multi-PDP/FTP/FTPS /HTTP/HTTPS/DNS*
SSL3.0/TLS1.0/TLS1.2
FOTA*

Interfaces

USB	*1
UART	*1
SIM card	*1
PCIE	*1
PCM	*1
I2C	*1
Antenna	*3

Certifications

CCC*/SRRC*/NAL*/CE*/Deutsche Telekom
RoHS/REACH

Note

*: means under developing/on-going/planning