

A7670-PCIE User Manual



LTE without GPS



With LTE and GPS



LTE without GPS



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1. Preparation:

Board	A7670-PCIE
Serial tool	sscom32E.exe

AND Wireless : <http://www.and-global.com>

OEMPCBA : <http://www.buypcb.com>

Retail Store : <http://www.aliexpress.com/store/605000>

Golden supplier on Alibaba : <http://and-global.en.alibaba.com>

Email : info@and-global.com

Tel : +86-755-28099797

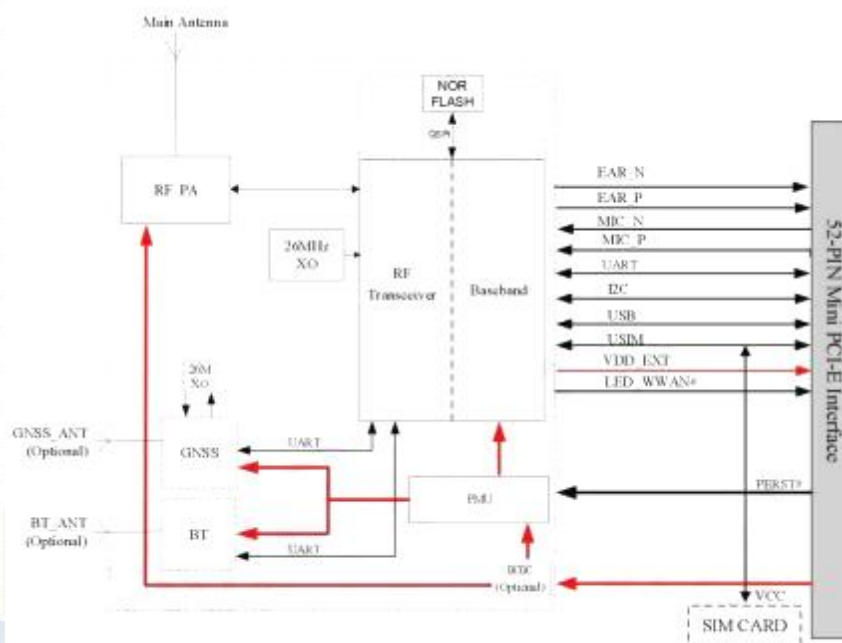
2. Overview

2.1 Module feature

- > The A7670 series is the LTE Cat 1 module which supports wireless communication modes of LTE-TDD/LTE-FDD/GSM/GPRS/EDGE. It supports maximum 10Mbps downlink rate and 5Mbps uplink rate.
- > Control Via AT Command, Rich interfaces including UART,USB2.0
- > Operation temperature:-40°C to +85 °C
- > GNSS optional.

2.2 BOARD interface

- > 3.0V~3.6V power supply (typical:3.3V)
- > USB 2.0 interface
- > USIM interface
- > LED_WWAN# LED indicator interface
- > Full function UART interface
- > Module reset/I2C interface/Analog audio interface



From SIMCOM datasheet

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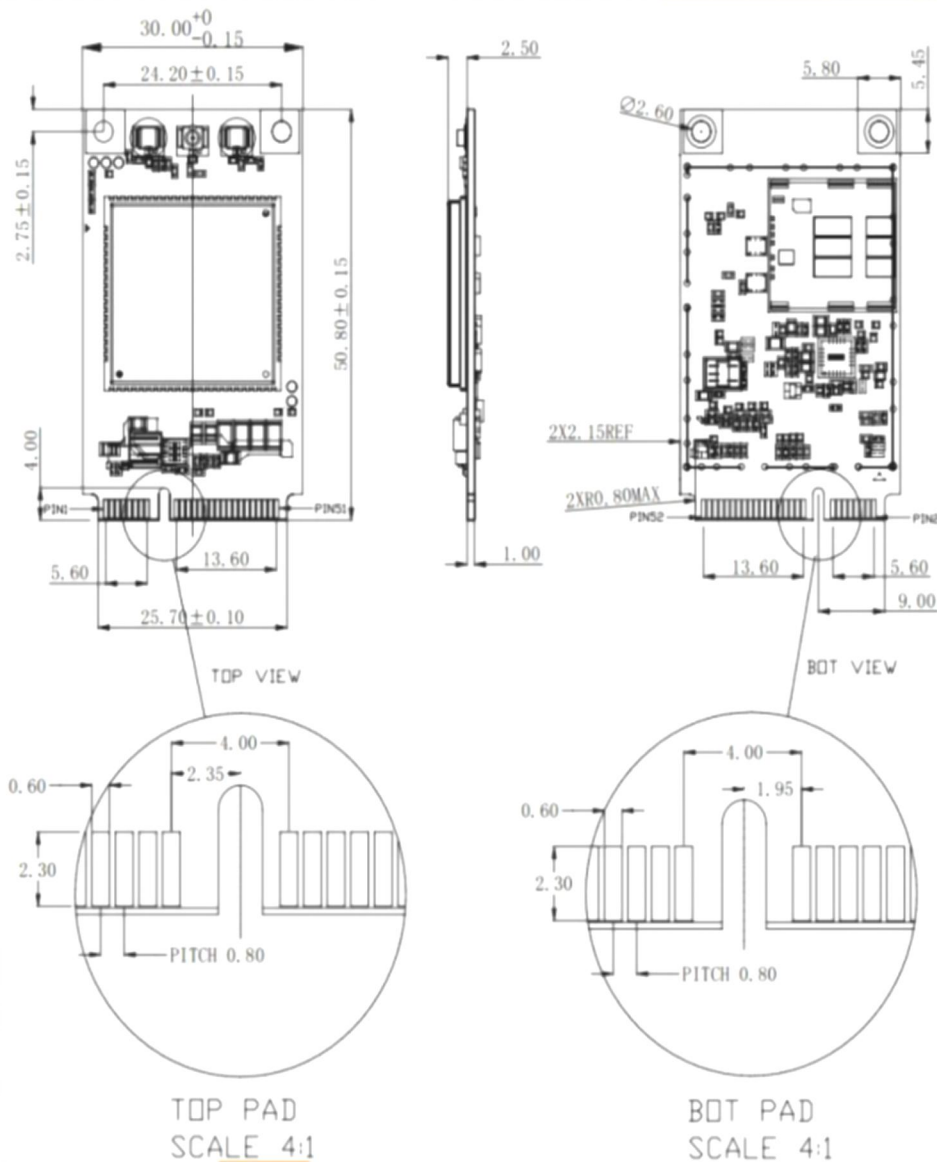
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2.3 PCBA dimension



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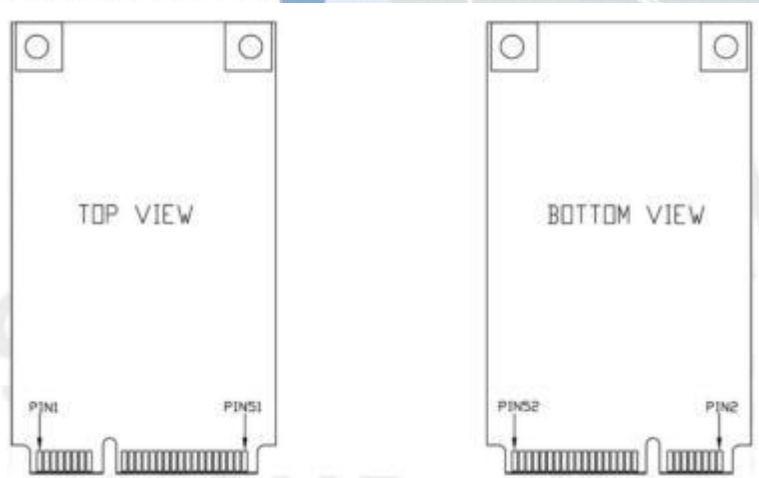
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Pin definition



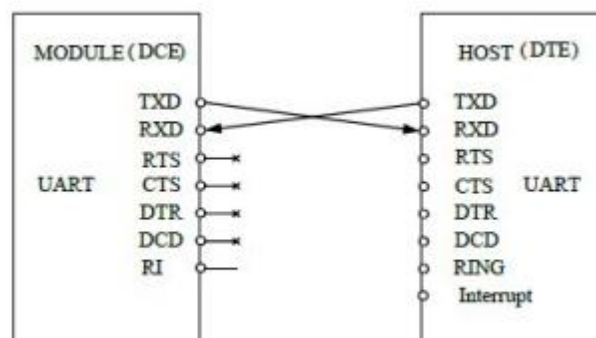
Note: Pin2/24/39/41/52 VCC range is from 3.0V~3.6V, 3.3V is recommended.

Please ensure 2A peak current for the VCC pin when it works under 2G and 1A under 4G. Board will automatically boot when it is power on. Full function UART interface is 1.8V TTL level.

3.1 Pin definition

Pls refer to table 3 in "A7670X series PCIE hardware datasheet_V1.00" document. Not PCM interface.

3.2 How to use TXD and RXD (Default baud rate is 115200bps)



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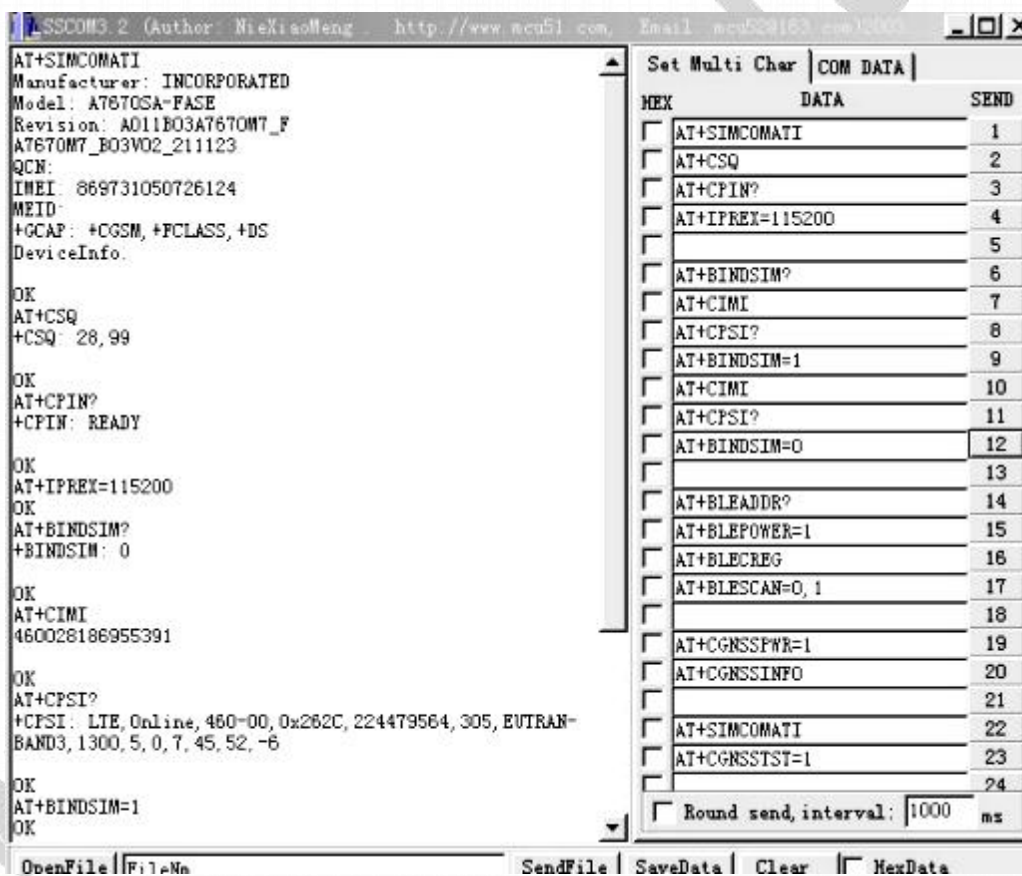
Tel : +86-755-28099797

4. How to test the A7670-PCIE by AT command via USB

4.1 Install SIMCom_USB_Drivers A7670.rar driver following the computer indication. The computer will show as belows, it means that the driver is installed correctly.



4.2 Select AT Port 9001, 115200bps and SendNew,



5.Package list:

Name	Qty	Unit
A7670-PCIE	1	Pcs

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