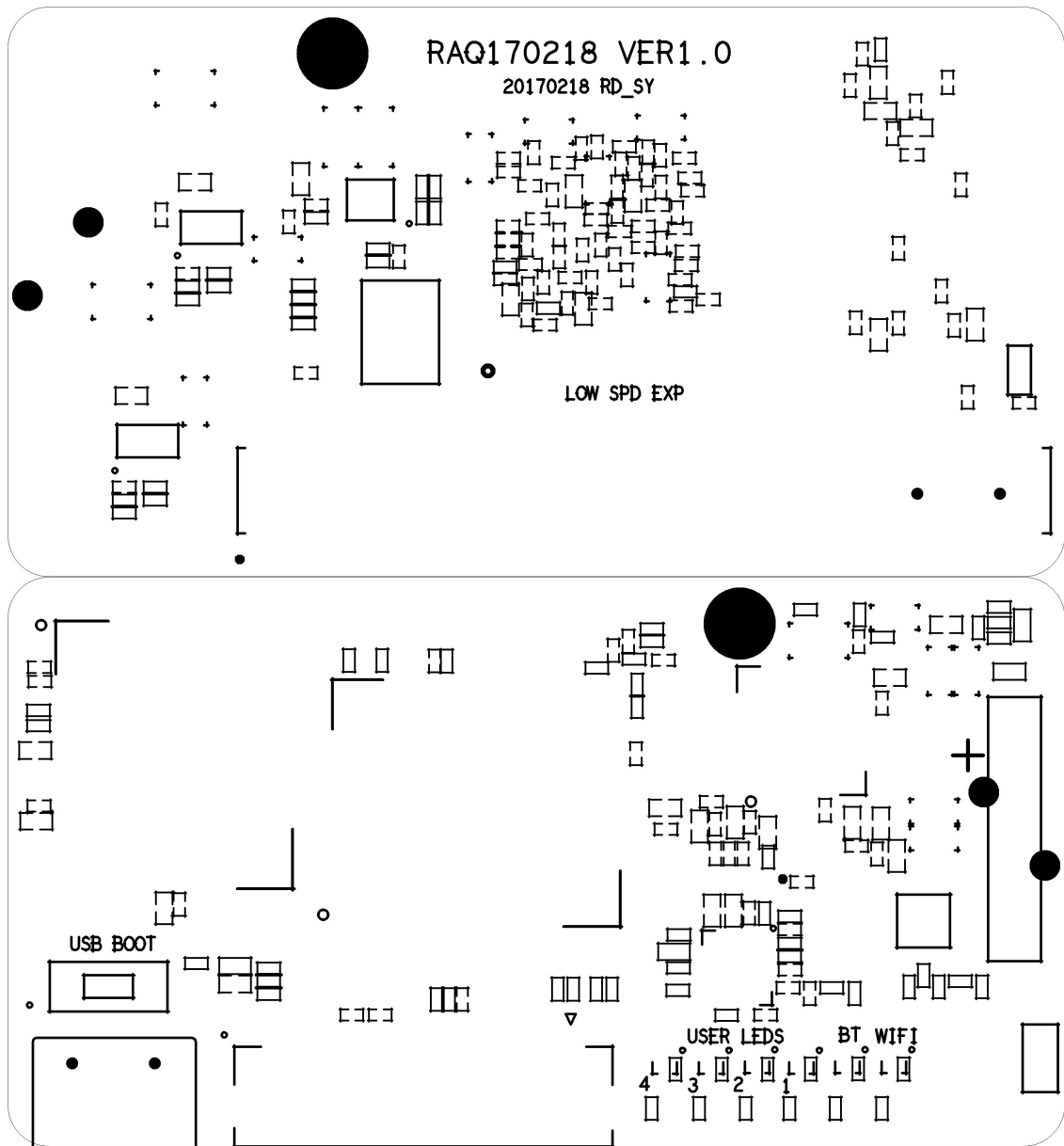


# Developer Board 4\_IoT SPEC



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## Overview

Geniatech's Developer Board 4\_IoT features Qualcomm Snapdragon 410 processor, a Quadcore ARM® Cortex™ A53 at up to 1.2GHz clock speed per core, capable of 32-bit and 64-bit operation. It supports Android, Linux and Windows 10 and offers advanced processing power, WLAN, Bluetooth, and GPS, all packed into a board the size of a credit card. It is designed to support feature-rich functionality, including multimedia, with the Adreno™ 306 GPU, integrated ISP with up to 13 MP camera support, and 1080p HD video playback and capture with H.264 (AVC).

## Specifications

### Processor

Snapdragon 410 quad core ARM® Cortex® A53 (64bit, 1.2GHz)

Qualcomm® Adreno™ 306 GPU

### Memory/Storage

1GB or 2GB LPDDR3 533MHz

8GB or 16 GB eMMC 5.0

SD 3.0 (UHS-I)

### Camera(optional)

2x MIPI-CSI: 1x 4-lane, 1x 2-lane, up to 13MP

### Connectivity

10/100Mbit Ethernet

WLAN 802.11 b/g/n 2.4GHz

Bluetooth 4.1

1x USB 2.0 micro B (device mode only)

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2x USB 2.0 type A (host mode only)

GPS

On-board GPS antenna

On-board BT and WLAN antenna

#### **Expansion connector**

1x 40 pin Low Speed (LS) expansion connector

- UART, SPI, I2S, I2C x2, GPIO x12, DC power

#### **External Storage**

1x Micro SD socket

#### **User Interface**

Reset

Volume Up/down

7 LED indicators

- 4 - user controllable

- 3 - for BT、WLAN and Ethernet activity

#### **OS-support**

Android 5.1

Linux based on Debian

Windows 10 IoT core

#### **Power, Mechanical and Environmental**

Power: +6.5V to +18V

Dimensions:85mm\*60mm

Operating Temp: -25°C to +70°C

RoHS and Reach compliant

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