

SKATE-212 SBC is based on ARM Cortex A7 Quad core Qualcomm® Snapdragon™ 212 Processor running at 1.3GHz. Skate Board features Wi-Fi, Bluetooth, Smart Audio, Camera, TrustZone® with industry standard I/O's which creates perfect environment for a variety of Android and Linux based applications.

## Key Features:

- 1 Qualcomm Hexagon™ DSP and Adreno™ GPU
- 1 Industry standard I/O's (40 Pins)
- 1 8MP camera up to 1080p video playback
- 1 Operating temperature is -30° to +85° C
- 1 Form factor - 90mm x 70mm
- 1 Operating Systems – Android 7.0 (Nougat) / Linux

## Target Applications:

- 1 Point of Sale
- 1 HMI / Kiosk
- 1 Industrial IoT solutions
- 1 Digital Signage
- 1 Access Control Devices
- 1 Datalogger
- 1 Industrial Automation
- 1 Medical Devices
- 1 In-Vehicle Infotainment
- 1 Surveillance & DVR



## SKATE-212 Specifications:

### 1 Processor & Memory

Qualcomm Snapdragon – 212, 1.3GHz  
Adreno 304 GPU, OpenGL ES 3.0, DirectX support  
1 GB LPDDR3 RAM (Expandable upto 2GB)  
8 GB eMMC (Expandable upto 16GB)  
Micro SD slot

### 1 Communication

USB Device - USB 2.0 Micro USB connector <sup>1</sup>  
USB Host - 2x USB type A <sup>1</sup>  
Debug Console - Micro USB  
Ethernet - 10/100 <sup>1</sup>  
Expansion Connector - 40 pin I/O (SPI, I2C, GPIOs)

### 1 Wireless Connectivity

Wi-Fi - 802.11 b/g/n  
Bluetooth - BLE 4.x  
GPS - L1 Band, GLONASS (Optional)

### 1 Camera (Optional)

Primary Camera - 8 Mega Pixel  
Secondary Camera - 2 Mega Pixel

### 1 Display & Touch

LCD & Touch - 7inch Capacitive Display  
HDMI - Full size HDMI <sup>2</sup>

### 1 Audio

Loud Speakers - Mono loudspeaker output  
Audio jack - 3.5mm stereo audio jack with mic  
Microphone - On board mic  
Dual Microphone (Optional)

### 1 Sensors

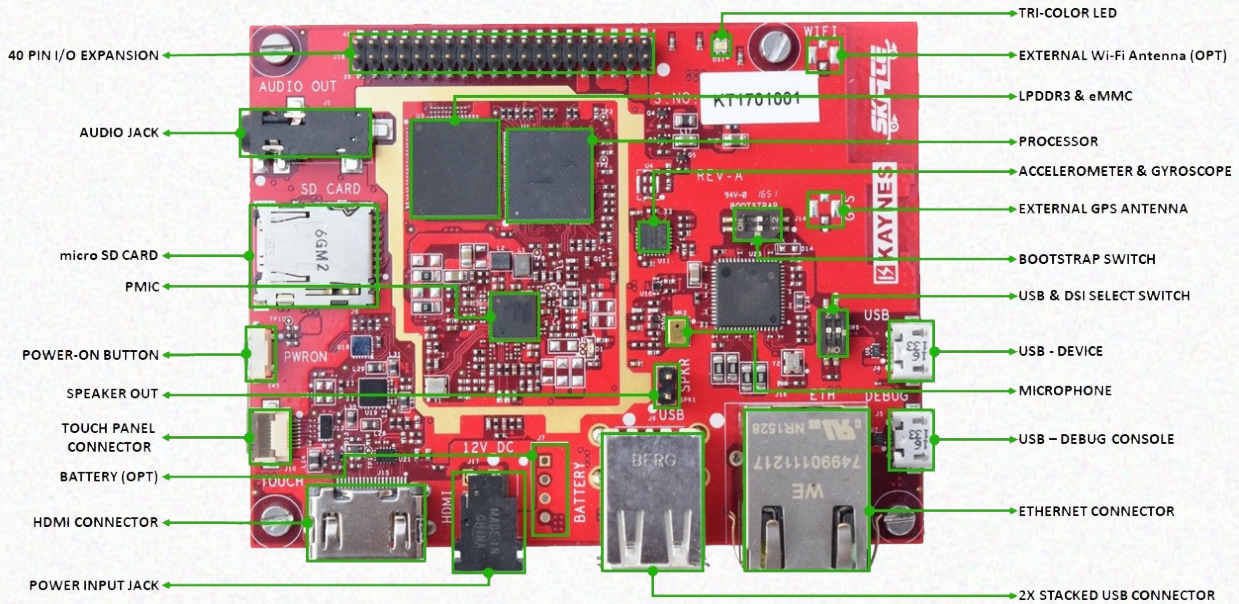
6-axis MEMS gyroscope & Accelerometer  
Compass / 3-axis Magnetometer

### 1 Power supply

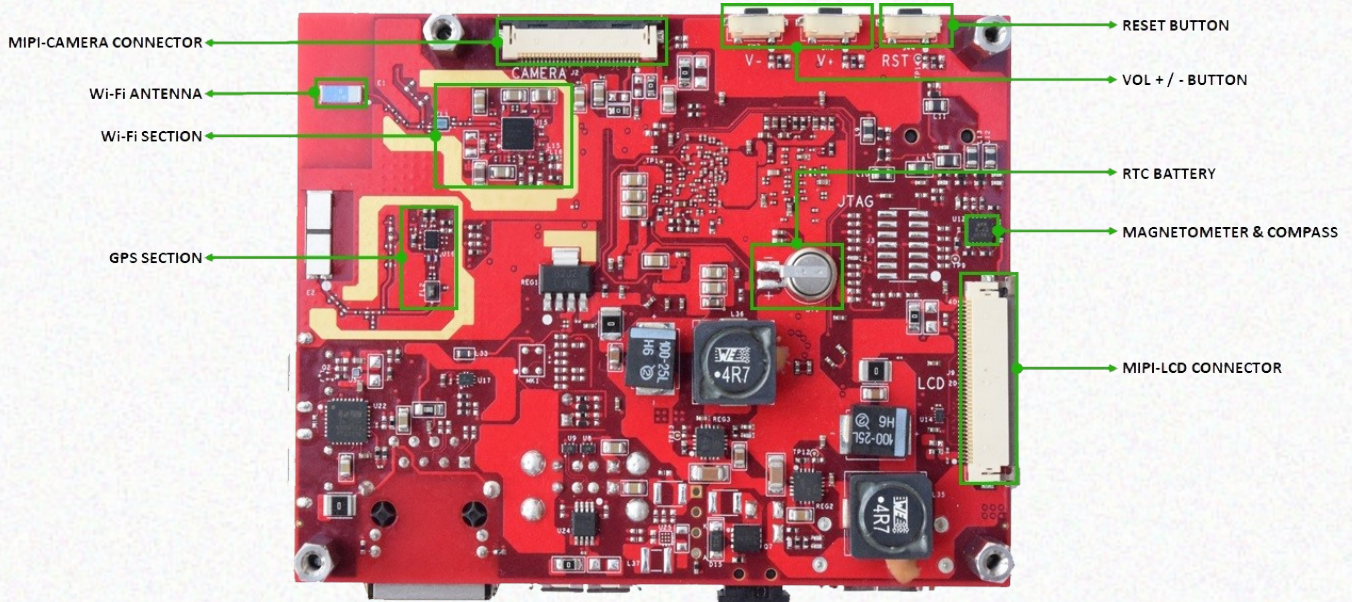
Primary power supply - 12V DC power adapter  
Battery - 3.7V, 2500mA battery (Optional)



## SKATE-212 - Front View



## SKATE-212 - Rear View



Kaynes Technology is an electronic manufacturing services company with over 28 years of experience. Our expertise includes product design for industries like Medical, Automotive and Industrial IoT. The product designed and manufactured by our R&D team is being used by customers across the globe.

Kaynes Embedded R&D services team has in-depth knowledge in Concept - Product Design - Manufacturing Services. Our Services includes BSP customization & porting, Device Driver Development, Camera Driver Development & Integration and Application Software development. Our expertise system capable of bringing your concept to realization in a relatively shortest development by applying thoughts.

For any queries,

Email: [salesEDS@kaynestechology.net](mailto:salesEDS@kaynestechology.net)

Ph: +1 408 641 4272, 9686661733, 9972687081

Web: [eds.kaynestechology.net](http://eds.kaynestechology.net)

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