



Processor

Quad-core ARM® Cortex® A53 processor with a maximum frequency of 1.2GHz per core supporting 32 and 64bit computing

Excellent graphics processing power

HD video 8 x 1080p@30fps
Ultra HD video 4K@60fps playback

Wide range of application scenarios

Applications in the communications, smart home, smart healthcare, Internet of Things (IOT) applications

Support system diversification

Android, Linux, Windows 10

Graphics

Adreno™ 306 400MHz, PC-level graphics processing power

Camera

Support 13MP camera, support wavelet denoising, JPEG decoding and other hardware-level post-processing techniques.

Compatibility

Compatible with Mezzanine Board interface standard.
Multiple Mezzanine boards (optional)

eMMC Storage

Reliable Write and Data Reliability parameter settings ensure existing data are not corrupted when a sudden power loss event occurs.



Product Specification

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| CPU | Snapdragon 410C, Quad core |
| GPU | Qualcomm® Adreno™ 306 |
| CPU Frequency | 1.2GHz |
| Internal Memory | 1GB/2GB LPDDR3 533MHz |
| Internal Storage | 8GB/14GB eMMC 5.0 |
| OS | Android 5.1, Linux based on Debian , Windows 10 IoT core |
| Bluetooth | 4.1 |
| Built-in WiFi | WLAN 802.11 b/g/n 2.4GHz |
| WiFi Frequency Range | 2.400~2.497GHz |
| Ethernet port | RJ45 10/100Mbps |
| GPS | Yes |
| USB Interface | 2x USB 2.0 type A (host mode only), 1x USB 2.0 micro B (device mode only) |
| Micro SD Card Slot | 1 |
| Display | HDMI 1.3 – HDMI full-size type A connector (1080p HD @ 30 fps), 1x MIPI-DSI 4-lane, up to 720p 60fps or 1080p 30fps for optional display/touch |
| Expansion connector | 1x Mezzanine boards 40 pin Low-Speed connector <ul style="list-style-type: none"> • UART, SPI, I2S, I2C x2, GPIO x12, DC power 1x Mezzanine boards 60 pin High-Speed connector <ul style="list-style-type: none"> • 4L-MIPI DSI, USB, I2C x2, 2L+4L-MIPI CSI Footprint for one optional 16-pin Analog expansion connector <ul style="list-style-type: none"> • Headset, Speaker, FM antenna |
| Size (mm) | 85 * 60 |
| Operating Temp | -10°C to +65°C |
| Power | DC:+6.5V to +18V |