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DragonBoard 410c Development Board

A Product of Arrow Electronics

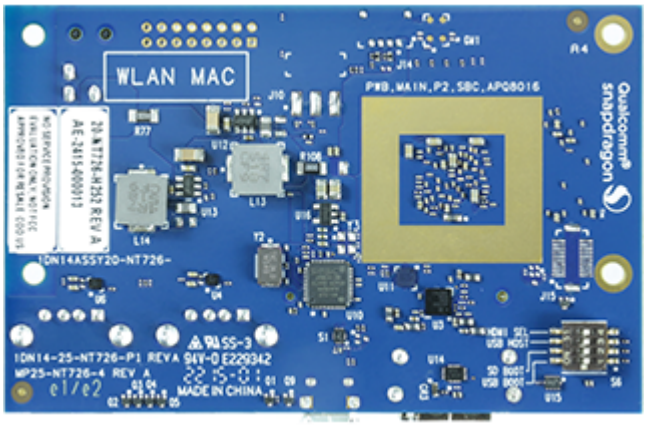
Purchase a DragonBoard 410c at Arrow Electronics

The DragonBoard™ 410c is the first development board based on a Qualcomm® Snapdragon™ 400 series processor. It features advanced processing power, Wi-Fi, Bluetooth connectivity, and GPS, all packed into a board the size of a credit card. Based on the 64-bit capable Snapdragon 410E processor, the DragonBoard 410c is designed to support rapid software development, education and prototyping, and is compliant with the 96Boards Consumer Edition specification. All this makes it ideal for enabling embedded computing and Internet of Things (IoT) products, including the next generation of robotics, cameras, medical devices, vending machines, smart buildings, digital signage, casino gaming consoles, and much more.

Webinar: Developing for Industrial IoT

Watch recordings of our 4-part webinar series ***Developing for Industrial IoT with Linux OS on DragonBoard™ 410c*** to explore the process of building an embedded Linux based device using the Qualcomm® Snapdragon™ 410E powered DragonBoard 410c development board.

Watch Now ->



Feature Highlights

- **OS Support:**
  - Android 5.1 (Lollipop) on Linux Kernel 3.10
  - Linux based on Debian 8.0
  - Open Embedded
  - Ubuntu Core
  - Windows 10 IoT Core
- **CPU:** Quad-core ARM® Cortex® A53 at up to 1.2 GHz per core with both 32-bit and 64-bit support
- **Memory/storages:** 1GB LPDDR3 533MHz / 8GB eMMC 4.5 / SD 3.0 (UHS-I)
- **Graphics:** Qualcomm Adreno 306 GPU with support for advanced APIs, including OpenGL ES 3.0, OpenCL, DirectX, and content security
- **Video:** 1080p@30fps HD video playback and capture with H.264 (AVC), and 720p playback with H.265 (HEVC)
- **Camera Support:** Integrated ISP with support for image sensors up to 13MP
- **Connectivity and Location:**
  - Wi-Fi 802.11 b/g/n 2.4GHz, integrated digital core
  - Bluetooth 4.1, integrated digital core
  - Qualcomm® IZat™ location technology Gen8C
  - On-board Wi-Fi, BT and GPS antenna
- **I/O Interfaces:** HDMI Full-size Type A connector, one micro USB (device mode only), two USB 2.0 (host mode only), micro SD card slot
  - Note: Micro USB (device mode) and USB 2.0 (host mode) are mutually exclusive and cannot be operated at the same time
- **Expansion:**
  - One 40-pin low speed expansion connector: UART, SPI, I2S, I2C x2, GPIO x12, DC power
  - One 60-pin high speed expansion connector: 4L MIPI-DSI, USB, I2C x2, 2L+4L MIPI-CSI
  - Footprint for one optional 16-pin analog expansion connector for stereo headset/line-out, speaker and analog line-in.
  - The board can be made compatible with Arduino using an add-on mezzanine board

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