



Inforce 6320™ Application Ready Platform

Application Ready Platform for IoT edge networking devices based on the Qualcomm® Snapdragon™ 410 Processor



Multi-application ready system for IoT networking solutions shaping the future of smart cities

The Inforce 6320 is a compact networking platform that can be used as an IoT edge gateway with option for routing capabilities. The platform uses Qualcomm's well proven and powerful 64-bit Snapdragon 410E processor (APQ8016E) at its core.

Additionally the Inforce 6320 platform provides dual Ethernet ports to support Power Over Ethernet that allows you to provide an Ethernet connection apart from powering your system in any location with just a single cable.

Connectivity includes USB2.0, Gigabit Ethernet, Wi-Fi, and Bluetooth. The Inforce 6320 SBC can be easily adapted to deliver wide-ranging solutions that integrate connected devices in the IoE space.



Smart Lighting



Resource Monitoring



Analytics



Surveillance



Reliable performance and efficiency with Qualcomm Quad Core ARM® Cortex® A53 64-bit CPU and Hexagon DSP V6



Adreno™ 306 GPU with support for OpenGL ES 3.0, DirectX and OpenCL



Linux based device with support for Debian and Ubuntu Core OS BSPs



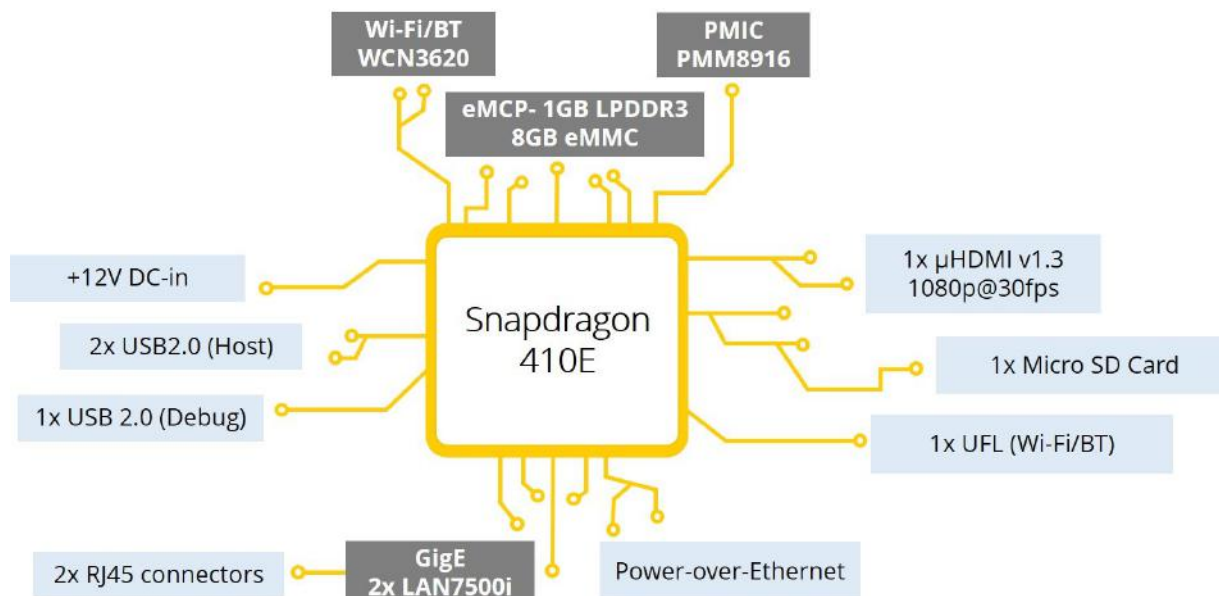
802.3at PD/PSE compliant configuration for PoE where the board gets power from PoE-enabled switches



Production-ready, compact platform with volume-conscious pricing



Technical Support through Inforce TechWeb



* Not all interfaces can be used at the same time.

Technical Specifications

Processor

- ◆ Qualcomm® Snapdragon™ 410E Quad Core (APQ8016E SoC)
- ◆ Quad Core ARM® Cortex® A53 64-bit CPU @1.2GHz each
- ◆ Qualcomm® Adreno™ 306 GPU with support for OpenGL ES 3.0, DirectX and OpenCL
- ◆ Qualcomm® Hexagon™ DSP v6 @700MHz for ultra low-power audio processing

Memory/ Storage

- ◆ 1GB RAM LPDDR3 + 8GB eMMC (eMCP Package)
- ◆ 2x USB 2.0 (Host) and 1x USB 2.0 (Debug)

Connectivity

- ◆ Bluetooth 4.1 and Wi-Fi 802.11 via WCN3620

Ordering Info

Part Number	Description
IOT6320-10-P1	Linux Debian OS, Board Only
IOT6320-11-P1	Linux Debian OS, Includes Enclosure

Multimedia

- ◆ 1 x HDMI output up to 1080p

Operating System

- ◆ Debian Linux board support package (BSP) pre-loaded

Enclosure

- ◆ Fanless chassis with DIN rail mounting option, made of sheet metal and Aluminium heatsink

Other Specifications

- ◆ **Power:** +12.0 DC Input (3A typ.)
- ◆ **Temp:**
 - ◆ **Operating:** -30° Celsius to 85° Celsius (with enclosure)
 - ◆ **Storage:** -30° Celsius to 85° Celsius
- ◆ **Relative Humidity:** 5 to 95% non-condensing
- ◆ RoHS and WEE compliant

Inforce — Embedded. Connected. Aware.

Inforce Computing® is a supplier of application-ready embedded hardware platforms in eco-aware, low-profile footprints, available off-the-shelf to serve growing markets enabled by the next generation of connected devices. At Inforce, we are inspired by the inflection point in mobile and wireless technologies which is spawning innovative devices, content, and services. Together with silicon, software, and system partners, Inforce is pioneering products with an optimized delivery model for medical imaging, smart office, hands-free computing, and robotics.



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