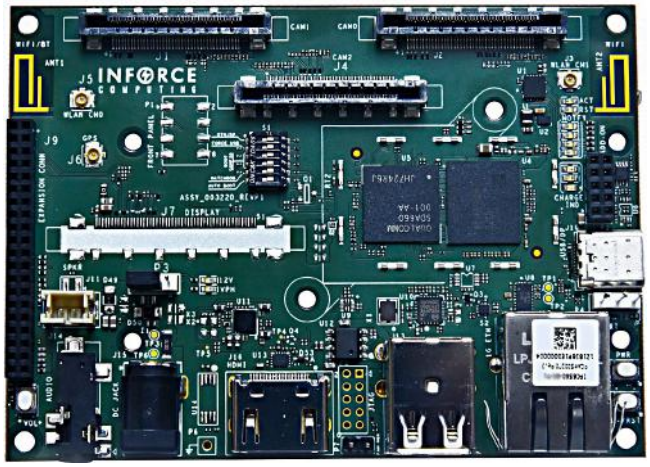
Qualcomm snapdragon

INFORCE COMPUTING

Inforce 6560™ SBC

Single Board Computer based on the Qualcomm® Snapdragon™ 660 Processor



An SBC with stereoscopic depth sensing and deep Learning capabilities

The Inforce 6560 is a compact platform that integrates Qualcomm®Kryo™ 260 CPU, Adreno™ 512 GPU, Hexagon™ 680 DSP and the Spectra™ 160 camera ISP to enable advanced visual computing, enhanced graphics and on-device machine learning capabilities.

These components, coupled with 2x2 802.11ac Wi-Fi, Bluetooth 5.x, a full featured USB-C interface with UltraHD display capability, an Integrated battery charging circuitry with battery header and an on-board RTC, make the Inforce 6560 platform a complete 4K encode/decode system. With its simultaneous dual streaming capabilities, depth perception use-cases like proximity detection, semantic segmentation, autonomous driving and facial recognition can be enabled with ease.

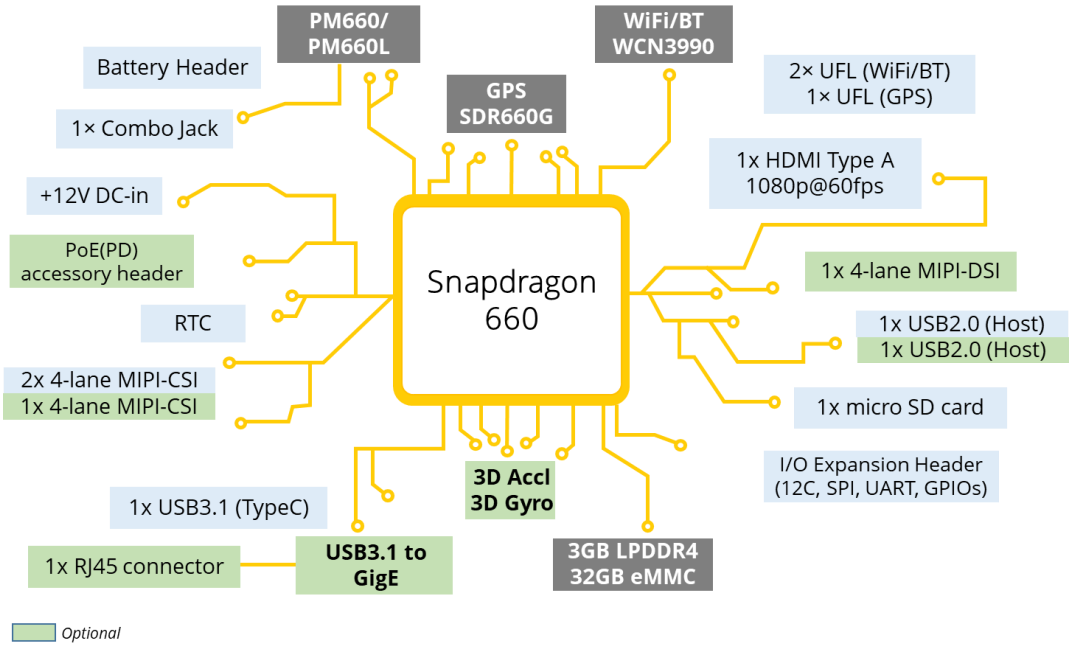
Connected Cameras

Machine Learning

AV Analytics

X Reality

- Higher performance with Qualcomm Kryo 260 CPU with independent efficiency and power clusters, each designed to optimize for a unique UX
- Vector eXtensions (HVX) on Hexagon™ 680 DSP and Adreno™ 512 GPU, to support machine learning and Efficient rendering of advanced 3D graphics
- Dual 14-bit Spectra™ 160 ISPs support up to 16MP for simultaneous concurrent cameras
- Extended lifecycle; OEM engagement options for BTO and custom variants
- Production-ready with volume-conscious pricing
- Technical Support through Inforce TechWeb



Technical Specifications

Processors

- Custom 64-bit Kryo Octocore ARM® V-8 compliant CPU (SDA660 SoC) @2.2/1.8GHz each
- Qualcomm® Adreno™ 512 GPU with support for OpenGL ES 3.2, Vulkan and OpenCL
- Qualcomm® Hexagon™ 680 DSP with dual-HVX512@787MHz for ultra low-power audio processing

Memory/ Storage

- 3GB DDR4 RAM/32GB eMMC
- SD V3.0 µSD card interface
- 1x USB-C and 1x USB 2.0 Host ports

Connectivity

- 802.11n/ac MU-MIMO WiFi and BT/LE 5.x via WCN3990
- GPS/GLONASS via SDR660G*

Accessories

- ACC1S70* - PoE PD (IEEE 802.3at Compliant)
- ACC1H70 - Sony IMX230 based MIPI-CSI camera module

Software

- Android 8+ BSP pre-loaded wth Hexagon/SNPE/OpenCV SDKs enabled
- Debian Linux BSP—Coming soon!

Multimedia

- UltraHD (4K) display on USB-C
- H.265 (HEVC)/H.264 (AVC)/VP9 playback & capture @4K30
- 4-lane MIPI-DSI* with FullHD+ capability
- HDMI V1.3a FullHD@60fps

Camera

- Dual MIPI-CSI cameras up to 16MP

Other Specifications

- **Power:** +12.0 DC Input (3A typ.)
- **Operating Temp:** 0º Celsius to 70º Celsius
- **Relative Humidity**: 5 to 95% non-condensing
- RoHS and WEE compliant

Ordering Info

Part Number	Description
IFC6560-02-P1	Android Oreo OS, Board Only
IFC6560-01-P1	Android Oreo OS, Kit
IFC6560-12-P1#	Debian Linux OS, Board Only

** - Optional interface*
 # - Coming soon

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.

INFORCE® COMPUTING

Global Sales & Support Inforce Computing Inc. 48820 Kato Road Ste 600B, Fremont, CA 94538 USA
Phone: (510) 683-9999 | sales@inforcecomputing.com
http://www.inforcecomputing.com