Inforce 6301: The Micro SOM for Industrial and Internet of Things Applications

Based on the Snapdragon 410E SoC, the Inforce 6301 Micro SOM is a low cost solution designed to be at the heart of intelligent devices and gateways at the edge of the Internet of Things. With the superior edge processing, extended temperature grade, and the ability to deploy at scale, the Inforce 6301 is the ideal platform for IoT specifically for asset tracking, automation and controls, telematics, digital signage, drones, and robotics.

With a low-power 64-bit, quad-core CPU with DSP and powerful GPU, capable of 1080p encode/decode, and built-in Wi-Fi/BT connectivity, you will not need to compromise on performance when IoT applications.

Qualcomm® Snapdragon™ 410E Quad Core CPU (APQ8016E SoC)
Qualcomm® Adreno™ 306 GPU
Qualcomm® Hexagon™ DSP @700MHz
Easy Product Upgrades with Interchangeable SOMs
Extended Temperature for Industrial Applications -30°C to 85°C
Enterprise online support with Inforce TechWeb
Support for Android and Linux OS
Technical Specifications

**Processor**
Qualcomm® Snapdragon™ 410 Quad Core (APQ8016)  
ARM® Cortex® A53, 64-bit CPU @1.2GHz each  
Qualcomm® Adreno™ 306 GPU  
Qualcomm® Hexagon™ DSP @700MHz

**Memory/ Storage**
1GB LPDDR3@ 533MHz  
8GB eMMC v4.5 (support up to 64GB) NAND flash  
1x µSD card interface with support up to HS200

**Connectivity**
Bluetooth 4.0 LE  
Wi-Fi Dual stream 802.11 b/g/n/ 2.4GHz

**GPS**
On-board GPS/GNSS

**Multimedia**
4-lane MIPI-DSI interface  
H.264 playback and capture @1080p, H.265 playback @1080p  
Hi-Fi Audio with 24bit/192Khz playback support

**Camera**
Up to a 13MP Camera on MIPI-CSI

**Operating System**
Choice of pre-loaded Android Lollipop / Ubuntu/  
Debian Linux board support packages (BSP)

**Power, Mechanical, and Environmental**
Power: +3.3V/5A Input  
Operating Temp: -30 to 85 Degrees  
Relative Humidity: 5 to 95% non-condensing  
RoHS and WEEE compliant

**Ordering Info**

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<td>Micro SoM (Linux)</td>
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<td>SYS6301-00-P1</td>
<td>Micro SoM based Dev. Kit (Android)</td>
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<td>Micro SoM based Dev. Kit (Linux)</td>
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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.

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

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