

Inflexion™ Zynq 7020 SOM-LV

Dual core ARM® Cortex-A9 processing system running up to 766 MHz with Artix™-7 FPGA programmable logic (PL) fabric

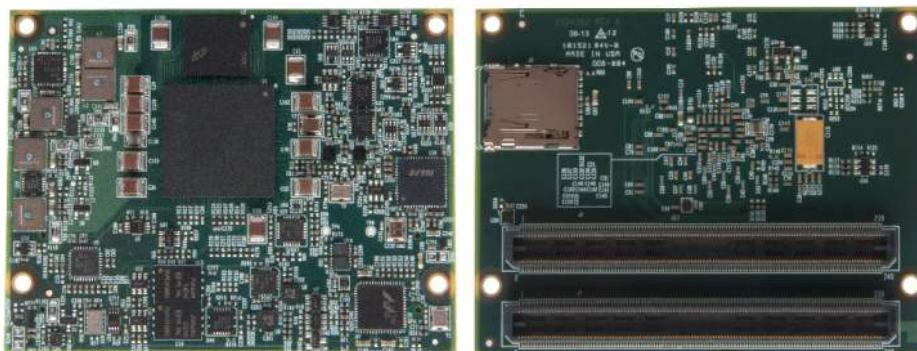
Today's smart systems provide increasing amounts of information to make more intelligent decisions for efficiency, security, cost, quality, and productivity. The vast amount of data these smart systems transfer requires a combination of software-based control with real-time processing capability and optimized system interfaces.

Beacon Embeddedworks' Inflexion™ System on Module (SOM), based on Xilinx's Zynq™ Z-7020 System on Chip (SoC), is an ideal off-the-shelf solution for today's smart systems. The Zynq Z-7020 SoC platform's combination of a high performance application microprocessor with a Field Programmable Gate Array (FPGA) in a single chip provides a best-in-class platform that balances both performance and power. By utilizing the Zynq Z-7020 SoC, Beacon EmbeddedWorks' Inflexion SOM is a perfect solution for applications that require high processing power, a high level of security and reliability, the ability to optimize system interfaces, and perform real-time analytics and control.

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HIGHLIGHTS

- Product-ready System on Module with a Xilinx Zynq Z-7020 All Programmable SoC featuring dual core ARM® Cortex™-A9 processing system running up to 766 MHz with Artix™ -7 FPGA programmable logic (PL) fabric
- Network connectivity:
10/100/1000M triple-speed Gigabit Ethernet controller
IEEE 802.3 Ethernet
- Industrial temp (-40°C to 85°C)
- Compact SOM-LV Type 1 form factor (59.1 x 76.2 x 7.9 mm)
- Same connectors as i.MX31 SOM-LV
- Long product lifecycle



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*Enlarged to show detail

The Inflexion SOM can help you realize a faster time to market, reduce design risk, increase product quality, decrease development costs, and address resource constraints resulting in a lower total lifecycle product cost. Additionally, Beacon EmbeddedWorks has the experience and knowledge to help you integrate the Inflexion SOM into your product design, select the right Zynq-7000 platform, and develop a customized Inflexion SOM to meet the needs of your application.

