iWave Systems Unveils Highly Adaptive Intelligent System on Module Powered by Xilinx Zynq UltraScale+ MPSoCs
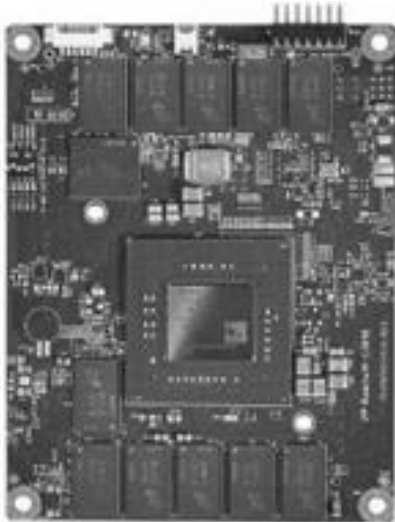
iWave Systems, a leader in FPGA based embedded systems and solutions, has launched a new System-on-Module (SOM) based on the Xilinx, Inc. Zynq UltraScale+ MPSoC. The SOM delivers exceptional results in rugged environments and offers outstanding performance, flexibility and security in applications such as advanced driver assistance systems, cloud computing security, machine learning, artificial intelligence, and data centre virtualization, etc.

The Zynq UltraScale+ SOM supports triple 4GB DDR4-64bit RAM, that facilitates faster data transfer and an ultra-low latency execution path for real-time processing. In addition, 16 x GTY high-speed transceivers, each at 28Gbps provides high-speed communication and interface options at optimal power, complementing a wide range of applications such as 8K Video Transmission, 100 Gb/s Ethernet, 150 Gb/s Intertaken and High-Speed ADC/DAC, etc.

iWave's Zynq UltraScale+ MPSoC SOM

The SOM features an excellent combination of FPGA and MPSoC functionality in a single device. It incorporates 4x Arm Cortex® A53 application processor at 1.5 GHz, 2x Cortex® R5 real-time processor at 600 MHz, ARM® Mali 400 MP2 GPU, memory interfaces (4GB DDR4 FPGA memory and 8GB eMMC Flash) and up to one million programmable logic cells. The SOM supports a rich variety of connectivity peripherals such as PCIe, USB3.0, SATA 3.1, Display Port and Gigabit Ethernet through GTR transceivers. For more details refer the link: https://bit.ly/2kDHfqG

"The new Zynq UltraScale+ EG ZU11/ZU17/ZU19 augments the features set of the Zynq UltraScale+ series by incorporating more performance per watt, enhanced features in terms of programmable functionality, real-time operations, improved security and transceiver abilities. We have developed the SOM in a versatile platform that supports maximum reuse and best time to market for enabling the design and development of highly adaptive intelligent FPGA solutions," says Abdullah Khan, President, iWave Systems Technologies, India.

With 10+ years longevity, custom SOM configuration and dedicated technical support including carrier board review, software support etc., designers and OEMs can be assured of iWave's unwavering quality and long-term service. Our support resources include detailed hardware and software user manual, carrier board schematics, BSP package with toolchain support, FPGA reference designs, etc.

iWave is exhibiting @ Xilinx XDF Forum, Fairmont Hotel, San Jose on Oct 1-2 2019.

Visit us @ **Booth 31** at XDF and talk to us to see how we can help you to accelerate innovations and reduce design time.

Demos on display include: Industrial HMI platforms, AI/ML Acceleration, ARINC818 IP, Low Latency Video Transmission System and much more.

For more information please write to **mktg@iwavesystems.com**

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