Accelerating Embedded Innovation
System on Modules | FPGA COTS | ODM Solutions

As we celebrate our 25th year of embedded engineering and innovation, we are excited to share the latest developments and innovations at iWave. We are excited to build on our core competency of embedded systems and solutions engineering, and build on our portfolio of System on Modules, ODM Solutions and custom designs.

Highlights and Announcement

🔵iWave: Now an Intel Titanium Partner, The highest tier of the IPA

We are proud to announce our elevation as Intel Titanium Partner, the highest tier. We offer an extensive portfolio of FPGA SoMs powered by Agilex™ 5, Agilex™ 7, Arria® 10 & Stratix® 10 & FPGA ODM expertise.

This recognition underscores our longstanding commitment to excellence and innovation in leveraging Intel FPGAs.

AMD Adaptive Computing Partner of the Year Award 2023

We are incredibly honored to be recognized as the AMD Partner of the Year at the Adaptive Computing Partner Summit held in San Jose,

California. We are always building on our vast portfolio of AMD FPGA powered System on Modules, 3U VPX Cards and FPGA COTS.

🔵Start of Harmonised FPGA Module Working Group for FPGA SoM Standard

The Harmonized FPGA Module™ (HFM) Standard Development Team aims to develop a groundbreaking standard tailored for the FPGA System on Module to ensure efficiency, flexibility, and scalability.

iWave is playing a key role in the Standard Development Team and leading the efforts in the definition of the standard.

Featured System on Module Product Launches

Zynq™ UltraScale+™ RFSoC (ZU49DR/ZU39DR/ZU29DR)
The ZU49DR/ZU39/ZU29 RFSoC SoM is built for Radar, SDR & networking applications. We also enable customers with an **RFSoC PCIe ADC DAC data acquisition card.**

Versal™ AI Edge
The compact SoM supports the series VE2302/VE2202/VE2102/VE2002,designed to power AI applications from the edge to the endpoint with two high speed expansion connectors.

Agilex™ 5

The SoM is powered by the Intel Agilex® 5 FPGA and SoC E-Series family, providing optimal balance in performance & power for advanced image processing, 5G wired/wireless, and AI.

Agilex™ 7

The SoM family supports 2 family devices : R31B and R24C. The SoM is the industry's first to offer a pin compatible System on Module covering a majority of the F-Series and the I-Series.

i.MX 95 SMARC

The SoM is powered by the i.MX 95 processor with advanced 3D graphics, neural processing, & a new flex domain architecture, and integrated with Wi-Fi 6 & Bluetooth 5.3 connectivity.

i.MX 93 and i.MX 91 (OSM/SMARC/SODIMM)

The SoM family supports the i.MX 93 and i.MX 91 processors and designed for gateways, HMI and linux edge devices. The SoM is available in OSM, SMARC and SODIMM standards.

Solution Launches

Telematics Connect Hub

The compact and powerful Telematics hub features 2 x CAN-FD Ports, LTE Cat 1 bis. Bluetooth, GNSS and inertial sensors. The hub is built for electric vehicles, asset tracking and industrial machinery.

SmartNIC Solutions

iWave is excited to announce the introduction of the SmartNIC solutions portfolio, built for networking and datacenter applications, featuring 400GbE, 200GbE and 100GbE interfaces.

Arinc Conversion Cards

The ARINC 818 Solutions features a rugged **single-channel** and **multi-channel** converter card, supporting seamless conversion between HDMI, built-in test patterns, video source files, and ARINC 818 formats.

Industrial Gateways

The new Industrial Gateway is powered by the i.MX 93, featuring wired interfaces such as RS485, RS232, Analog Inputs & Digital inputs, and with wireless connectivity options such as LTE Cat-4, Wi-Fi, Bluetooth and LoRa.

Resources and Downloads

AMD Product Selection Guide

Click Here

Telematics Product Selection Guide

Click Here

Altera Product Selection Guide
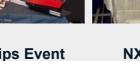

Click Here

Events!

We are excited to travel and showcase at events across the globe, meeting our customers and discussions on the latest technology. Explore a snapshot of iWave presence at the different events.

Bits n Chips Event Amsterdam

NXP Tech Days San Jose

FPGA Conference Munich

AMD Adaptive Computing Summit London

SAHA Aerospace & Defense Expo Turkey

AMD Adaptive & Embedded Computing Tech Day Bangalore

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