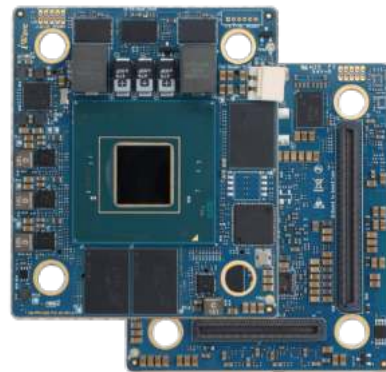Introducing iW-RainboW-G58M
Agilex™ 5 FPGA System on Module

iWave is excited to announce the launch of iW-RainboW-G58M System on Module, powered by the **Intel Agilex® 5 FPGA** Series that extends the innovations of the Intel Agilex® 5 FPGA portfolio to midrange FPGA applications. The SoM is compatible with the Intel Agilex® 5 FPGA and SoC E-Series family and B32A package in two devices:

- **Group A: A5E 065A/052A/043A/028A/013A**
- **Group B: A5E 065B/052B/043B/028B/013B/008B**

The Intel Agilex® 5 FPGA powered System on Module provides an optimal balance in performance and power for medical imaging, cameras and surveillance, video/broadcast, and industrial test and measurement sectors.

iWave is now shipping early samples of the Agilex™ 5 System on Module and evaluation kit, which comes with complete user documentation, software drivers, and a board support package.

3 key reasons to consider the iWave Agilex™ 5 SoM:

1. **Extensive Interfaces:**
   The SoM supports 24 transceivers up to 28 Gbps, a PCIe Gen 4 connectivity interface, and a 2.5 Gigabit Ethernet PHY transceiver.
2. **Compact Form Factor, Industrial Grade and product longevity:**
   The SoM is built in a compact form factor of 60mm x 70mm and -40°C to +85°C industrial grade with a product longevity program of 15 years.
3. **Complementary ODM Services and Expertise:**
   Complementing the System on Module, iWave enables customers with custom carrier card design, thermal solutions, system design, manufacturing and certification services.

>>Download the System on Module Selection Guide:

Explore the extensive portfolio of System on Modules powered by Altera FPGAs and SoC FPGAs. Choosing the right FPGA and System on Module (SoM) can be time consuming and a challenging decision for your product. The extensive portfolio of FPGAs includes the Agilex™ 5, Agilex™ 7 and Arria® 10 and Stratix® 10. The SoM Selection Guide provides information on the different SoM and FPGA options, the features and the modularity between the variants.

| Agilex™ 5 | Agilex™ 7 |
| Stratix® 10 | Arria® 10 |

Click here to download

>>Intel Elevates iWave to Titanium Partnership Level:

iWave is honoured to be recognized by Intel with the elevation to an Intel Titanium Partner, the highest level of the Intel Partner Alliance Program. This recognition underscores our longstanding commitment to excellence and innovation in leveraging Intel FPGAs. As a Titanium Partner, we are poised to deliver even greater value to our customers through enhanced access to cutting-edge Intel solutions and deeper collaborative opportunities.

Get Started Right Now:

Check out this getting started video to learn how to set up Agilex™ 5 System on Module and Evaluation Kit.

Watch this video for an overview of the Agilex™ 5 System on Modules and it's features.

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