Introducing
iW-RainboW-G35M Zynq™ UltraScale+™ ZU19/ ZU17/ ZU11 based SoMs & Solutions

In today's fast-paced technological environment, the need for scalable and versatile solutions that can adapt to rapidly changing requirements is crucial. iWave, a leader in FPGA based embedded systems and solutions, has a robust and highly adaptable System-on-Module (SOM), powered by AMDs Zynq™ UltraScale+™ZU19/ZU17/ZU11 MPSoCs.

>>Discover how our innovative solutions can accelerate your development and enhance your projects:

Zynq™ UltraScale+™ SoMs: **iW-RainboW-G35M,** supports high speed connectivity peripherals such as PCIe, USB3.0, SATA3.1, Display port, Gigabit Ethernet through GTR high speed transceivers from MPSoC. These compact 75mm x 110mm SoMs are ideal for demanding applications requiring high-speed data transfer and low latency.

3U VPX Module: **iW-RainboW-G35V**, comprises of the Zynq UltraScale+ MPSoC SOM and a 3U-VPX Carrier board. It features 8GB DDR4 RAM with ECC and expandable on-board flash storage, ensuring reliable performance. This 160mm x 100mm module rugged plug-in module is tailored for high-speed video and data processing, perfect for military and aerospace applications.

PCIe SmartNIC: **iW-RainboW-G35P**, PCIe Network Interface Card enhances connectivity and data transfer rates, with 3/4 Length PCIe Gen3 x16 Host, high speed networking extension with Quad(200GbE/100GbE) Ethernet and 8GB 72bit DDR4 RAM and two M.2 NVMe slots for high-performance storage extension, making it ideal for applications that demand high bandwidth and reliability.
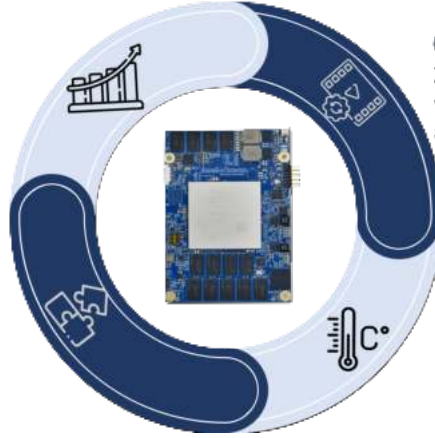

Key Advantages to consider iW-RainboW-G35M SoM, powered by AMDs Zynq™ UltraScale+™ ZU19/ZU17/ZU11 MPSoCs:

Exceptional Performance
Quad-core Arm Cortex-A53 & Dual-core Arm Cortex-R5 processors for high processing capabilities.

Graphics & Video Processing
ZU19EG with Mali-400MP2 GPUs with Video codec for graphical applications.

Scalability & Flexibility
1143K Logic cells & 522K LUTs with easy scalability to meet various application needs.

Industrial-Grade Reliability
-40°C to +85°C range of temperature suitable for industry & Military applications.

>>Download the System on Module Selection Guide:

Explore the extensive portfolio of System on Modules powered by AMD Adaptive SoC and FPGAs. Choosing the right FPGA and System on Module (SoM) can be time consuming and a challenging decision for your product. The extensive portfolio provides scalability with the Zynq™ UltraScale+™ MPSoC, Zynq™ UltraScale+™ RFSoC, Versal™ AI Edge Series, Kintex™, and Virtex™ UltraScale+™ series.

Click here to download

Check out the overview video of the **Zynq™ UltraScale+™ ZU19/ZU17/ZU11 MPSoC Powered SoM and Development Kit**, showcasing its powerful processing capabilities, versatile interfaces, and applications in advanced technologies like AI and 5G.

iW-RainboW-G35M®
ZU19/ZU17/ZU11- Zynq® UltraScale+™ MPSoC SoM
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