

POWERING NEXT-GEN RF SYSTEMS

Ready-to-deploy SoMs, PCIe & 3U VPX Platforms
For SDR, SATCOM, 5G, and Radar applications



Are you building next-generation Software Defined Radios (SDR), Radar, Electronic Warfare, 5G Equipment or Quantum Computing System?

Accelerate your product development with iWave's production-ready RFSoc powered board and solutions, featuring high-speed ADC/DAC, JESD204B/C, and multi-board sync support.

👉 [Download the RFSoc Product Selection Guide](#)

RFSoc System on Modules



iG-G42M® ZU49/ZU39/ZU29DR

- 16 x ADC channels up to 2.5Gsps
- 16 x DAC channels up to 10Gsps

[Learn More](#)



iG-G60M® ZU48/47/43/28/27/25DR

- 8 x ADC channels up to 5Gsps
- 8 x DAC channels up to 10Gsps

[Learn More](#)

Building scalability across Gen1 to Gen3 RFSoc FPGAs

The System on Modules are designed for seamless scalability, supporting migration from Gen1 to Gen3 devices, including ZU48/47/43/28/27/25DR and ZU49/ZU39/ZU29DR, without changes to the carrier board.

Both Modules feature the **same dual 400-pin high-speed Board-to-Board (B2B) connectors**, enabling full pin-compatibility on a shared development platform.

This allows developers to switch between SoMs with different RF channel counts or device grades without modifying their carrier board design, reducing time-to-market and maximizing design reuse.

COTS Solutions



iG-G42P®/ iG-G60P® ADC & DAC PCIe Card

[Learn More](#)



iG-G60V® RFSoc ADC & DAC 3U VPX System

[Learn More](#)

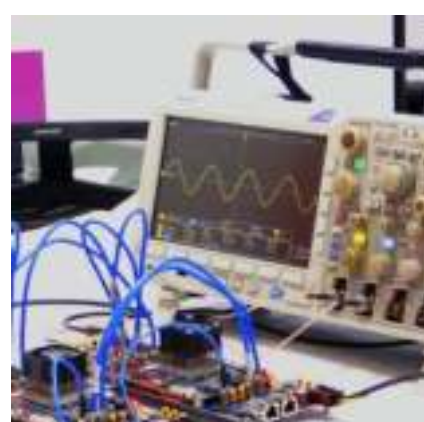
LATEST NEWS

Demo: Multi Board Synchronization on RFSoc Boards & Systems

In complex RF systems, aligning one board is hard enough, but what happens when you need multiple RFSoc boards to sample in perfect sync, down to the nanosecond?

iWave engineered precise multi-board synchronization in wideband systems by mastering phase alignment, JESD clocking, and MTS across boards

👉 [Read the full article here](#)

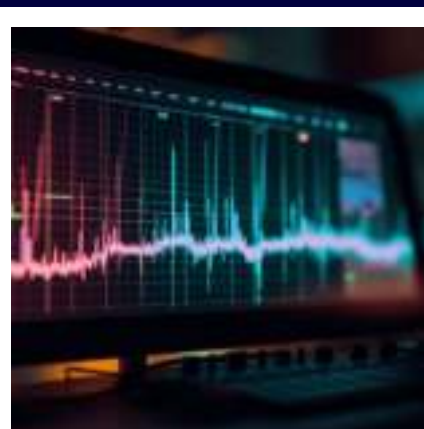


Designing Software Defined Radios with RFSoc System on Module

What if a radio could change its waveform, frequency band, and application - all without touching the hardware?

Design next-gen SDRs with the RFSoc SoM—featuring high-speed ADC/DACs, FPGA, and ARM cores, all on one powerful chip

👉 [Find out in our latest article here](#)



Exciting news: iWave is expanding its RF Boards portfolio with the Versal RF SoM, engineered for next-gen RF acceleration. Stay tuned!

Versal RF SoM

AMD
VERSAL
RF



Have questions or looking for a custom RF solution? Our team can help you get started with evaluation kits or ODM services tailored to your needs.

Reach out to us at mktg@iwave-global.com or Share a few details about your requirements and let's explore the right fit from iWave's RFSoc product portfolio.

[Tell Us Your Requirements!](#)



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Since 1999, iWave has been committed to being a trusted embedded technology partner for companies worldwide. With deep expertise in embedded systems design and manufacturing, iWave delivers a comprehensive portfolio which encompasses ARM & FPGA System on Modules (SoMs), Single Board Computers (SBCs), COTS FPGA Solutions, and ODM Solutions which include Telematics, Gateways, HMI Solutions.

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