

The Platform for Quick-turn Simulation, Prototyping & Production

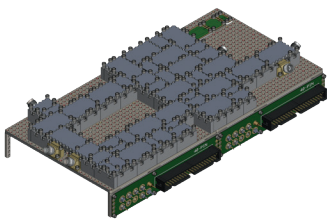


A Unique, Modular Design System

Quantic X-Microwave delivers industry-leading performance through advanced RF & Microwave solutions for the most demanding industries—from aerospace and defense to quantum computing, and wireless infrastructure to radar. Compounding the value of unrivaled domain expertise, our unique and modular design system gets you to market faster than ever. And now as a Quantic business, we're part of an extended engineering ecosystem and powerful supply chain that is defining a competitive advantage for every customer.

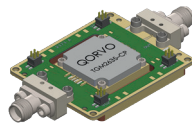
X-MWblocks® modular RF and Microwave building blocks allow designers to seamlessly design, evaluate, prototype, and produce high performance RF and Microwave systems faster, easier, and at lower cost.

Featured Products



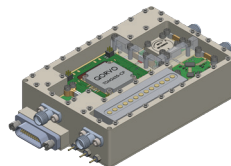
Quick-turn Prototypes

- > Modular Walls and Lids
- > RasPi Control



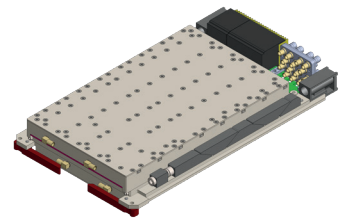
Power Amplifiers

- > Prototype and Production
- > Sequencer / Pulsed Drain



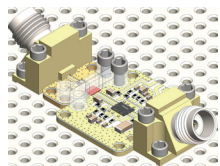
TxRx Modules

- > Driver / Pulsed PA / Circulator
- > Rx Switch / LNA / BPF



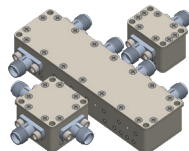
OpenVPX

- > Vita 67.3 / SOSA
- > Two RF Cavities



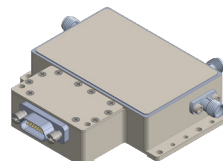
Drop-In Everything

- > Over 5000 X-MWblocks
- > SMT, Die, Flip Chip, Die on Carrier, Flanged
- > X-MWprobes to 100 GHz
- > Solderless Interconnect



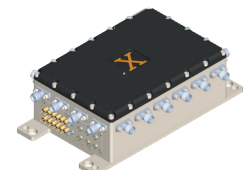
Connectorized Modules

- > RF / Bias X-MWblocks
- > Field Replaceable Connectors



Hermetic Modules

- > RF / Bias X-MWblocks
- > Connector Options



Benchtop Housing

- > Quick Enclosed IMA's
- > 2919 Format

Quick-turn SystemVue Simulation to Prototype

SystemVue Simulation

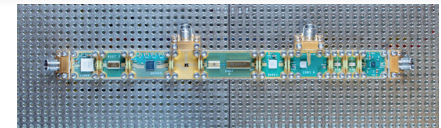
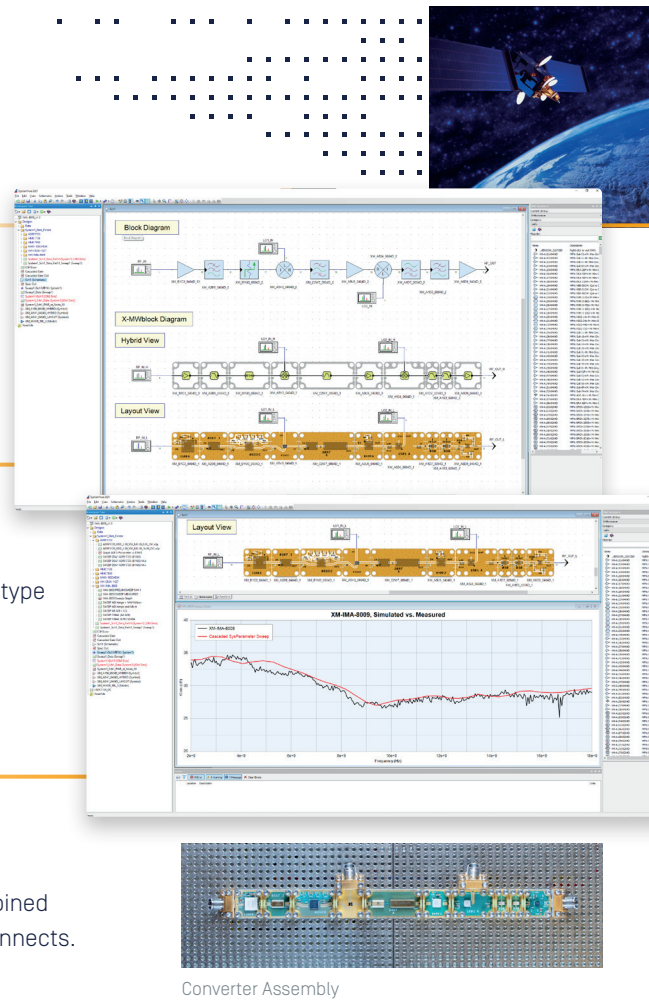
X-Microwave has over 1000 X-MWblocks in the latest release of Keysight's PathWave SystemVue simulation software. S-parameter and SysParameter models of X-MWblocks enable engineers to simulate complete signal chains to optimize performance with models of X-MWblock drop-in components.

Prototyping

Seamlessly transition to build your simulated signal chain on the X-MW Prototyping Plates. Interconnect RF X-MWblocks with high-frequency solderless interconnects and configure compatible Bias and Control blocks from the bottom side of the prototype plate. Instrument your design with custom X-MWprobes to test individual blocks and at any port in the signal chain. Modular Walls and Lids enable the fabrication of an enclosure for full system verification including cavity effects.

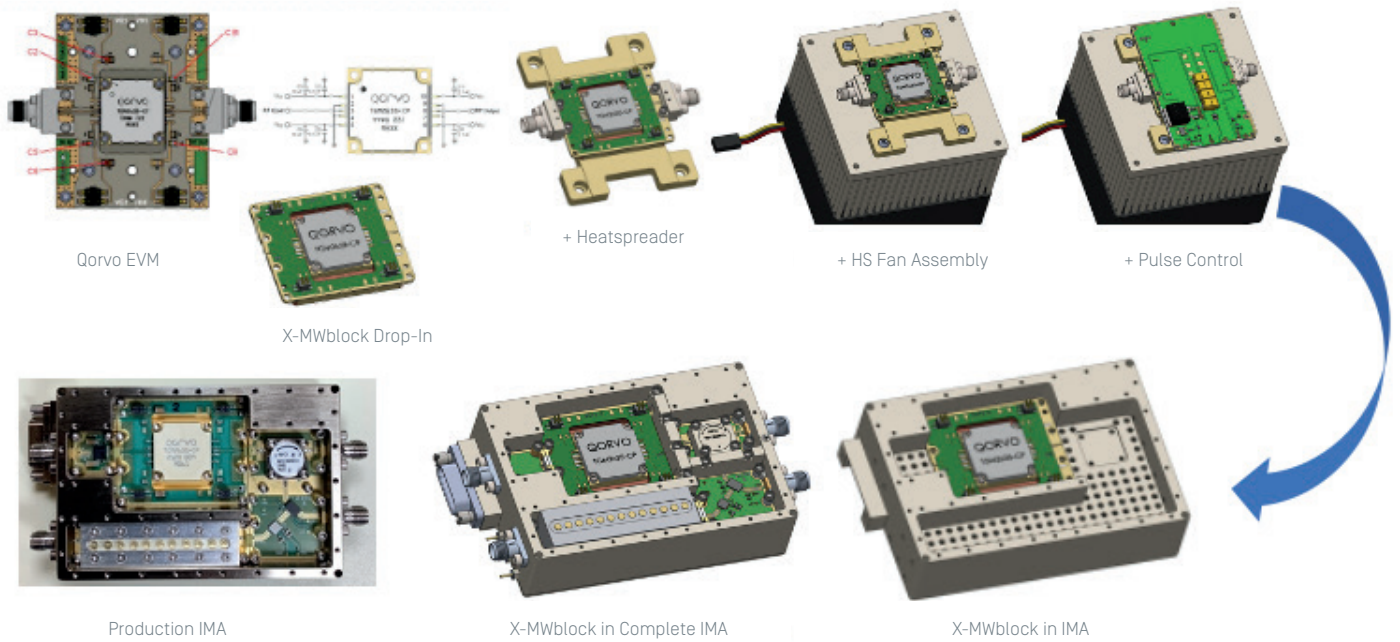
Production

Prototypes built with the X-MWsystem are production ready. Drop-in X-MWblocks can be moved into production housings using solderless interconnects, soldered ribbon or wire bonds. With volume or as desired, individual X-MWblocks can be combined into a single pcb, with little or no NRE cost, removing the need for solderless interconnects.



Converter Assembly

Power Amplifier X-MWblock path from Drop-In to Production IMA



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