

OpenVPX Offering

SOSA-aligned solutions for mission-critical applications



Solutions from 100 MHz–50 GHz

	Quantic PMI	Quantic Wenzel	Quantic X-Microwave	
Product Type/Name	Transceiver (Tx/Rx)	Frequency Sources	Tx/Rx/LO Signal Chains	Custom X-MWblock Signal Chains
Frequency Range	100 MHz to 18 GHz	100 MHz to 18 GHz	100 MHz to 50 GHz	100 MHz to 50 GHz
VITA Format	VITA 67 3U OpenVPX SOSA-Aligned	VITA 67 3U/6U OpenVPX 3U x 2 x 0.85" Pitch SOSA-Aligned	VITA 67 3U 1" Pitch SOSA-Aligned	VITA 67 3U 1" Pitch SOSA-Aligned
Power	+3.3/ +5/ ±12 V (draws less than 2A of current)	+3.3/ +5/ ±2 V (draws less than 20A of current)	±12 VDC, ±5% ±5 VDC, ±5% +3 VDC, ±5%	±12 VDC, ±5% ±5 VDC, ±5% +3 VDC, ±5%
Features	Modular Design CW immune Log Amp Up and Down conversion Switches Filter banks (Tx/Rx) Can attach to FPGA controller card External LO	Low-g Sensitivity Ultra-low Phase Noise VXO Vibration Isolation	Modular design Accelerated time to market Standard X-MWblocks Custom Miniaturized Designs	Switch Arrays Switched Filter Banks Distribution Amps Multipliers and Dividers Signal Sources



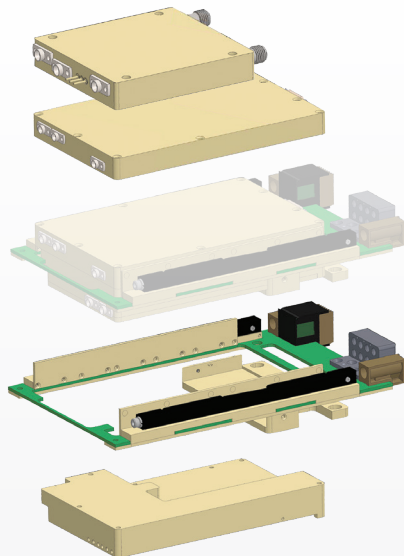
Ruggedized for Harsh Environments

Successive Detection
Logarithmic Video Amplifier
(SDLVA)

Switch Filter Bank

3U OpenVPX Card

Up/Down Converters



Transceiver Solution

Quantic PMI
POWER INTEGRATION

Quantic PMI's offering is a modular approach, allowing for custom block diagrams mixing discrete designs and MMIC technology for maximized performance.

quanticpmi.com

Frequency Sources

Quantic Wenzel

The Quantic Wenzel 3U/6U OpenVPX frequency sources card assembly features exceptional low-g sensitivity, a fixed frequency range of 100 MHz to 18 GHz, and ultra-low phase noise. Featured high-reliability applications include airborne, RADAR, ground/ship, and radio. Active and passive vibration compensation options available.

quanticwenzel.com/openvpv



Dual Conversion TX / RX with Integrated LOs

Quantic X-Microwave

Quantic X-Microwave's Drop-In X-MWblocks enable any signal chain to be delivered on a SOSA-aligned VPX card platform —and ensures a faster path to production at lower cost. Modular Standard and Miniaturized X-MWblock based Signal Chains.

quanticxmw.com

