The Sidekiq VPX400 is a modular, multi-channel RF transceiver solution that enables rapid development of converged SIGINT/EW platforms while reducing slot count requirements, power consumption, and engineering-related cost. Its modularity aligns with the SOSTA™ Technical Standard, providing rapid adaptability and its core software-defined radio (SDR) technology future-proofs applications by allowing quick adoption of emerging capabilities.

**A Single Wideband RF Card With Multi-Receive/Multi-Transmit Capabilities**

**Complete Software-Defined Radio for EW, SIGINT, C5ISR and Other Mission Critical Applications**

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**KEY FEATURES**

- Complete antenna-to-bits, multi-channel, phase coherent solution in a single 3U VPX card
- Wide RF tuning range (up to 6 GHz)
- Supports 4-channel phase coherent operation at 200 MHz IBW, or two channel independently tunable at 400 MHz IBW (for a total of 800 MHz IBW)
- Unified open API for use across all Sidekiq products
- Typical power consumption under 30W
- Support for both PCIe and 10/40 GbE

**SOSA-ALIGNED FEATURES**

- MORA device layer to allow any SOSA-aligned host platform to configure and control the card
- Supports VITA 67.3 for RF I/O through the backplane
- Air-cooled solution for prototyping, conduction-cooled solution for production
- Integration with GNU Radio, Photon, MORA, REDHAWK, and other frameworks
- Conforms to OpenVPX slot profile SLT3-PAY-1F1U1S1S1U2F1H-14.6.11-4
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All specifications are subject to change without notice.