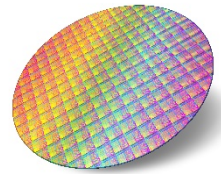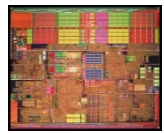# IP Integration Solutions
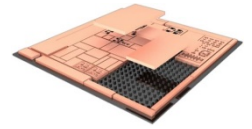## Complex Semiconductors for Aerospace & Defense

Intrinsix Corp. is the US-only subsidiary and Trusted front-end for CEVA, Inc. (a US-based IP Integration Solutions Company) to provide design and IP technology for Aerospace & Defense applications. Trusted and accredited by the DMEA and DCSA, Intrinsix has provided electronics and custom IC design solutions and services to Aerospace, Defense & Government (ADG) entities since 1986. These solutions typically consist of focused integrated circuit (IC) design, verification, test and delivery of complex IP subsystems or chips. Intrinsix leverages its very senior US-based engineering teams and access to the state-of-the-art, commercially proven IP, EDA and foundries to offer unique solutions for complex budget/schedules and challenging applications within demanding markets. Intrinsix is versed in protecting CUI, is CMMC-compliant and works with industry leaders forming the very latest strategies for trusted and quantitatively assured microelectronics solutions.

Design Services Capabilities

- System-on-Chip "SoC" Design/Verification
- ASIC, FPGA, & Board Design/Verification
- Digital, Analog, Mixed-signal & RF Design
- Advanced Node Physical Design
- Architectural Modeling & Analysis
- Embedded Software & Firmware
- Library/PDK Development
- Full Suite of EDA Design Tools
- Strong Partnerships with Leading Trusted Foundries
- DCSA/DCAA Approved/Audited
- Trusted & ITAR Compliant Design Flows

- Chiplet Design & Integration
- Cryptographic IP Core for IoT
- 3rd Party IP Verification, Modification, Hardening
- "Rad-Hard By Design" and High Reliability Expertise
- Secure and Robust Design and Delivery Infrastructure
- Supply Chain Management (incl. delivery of tested, packaged parts)
- DMEA Trusted Design and Broker Accreditation

Technology IPs for Integration

Silicon IPs

- DSPs: Scalar/Vector, Fixed/Floating Point for PHY Control, Computer Vision, Sound, Voice, AI/ML, Sensor Fusion and more
- Edge AI Neural Processor for Computer Vision & Imaging
- Communications HW Accelerators (CSI, MLD, VMU, NN, FFT)
- Bluetooth (BLE, BTDM, BT Modem, Zigbee, Thread)
- WiFi (802.11 abg/n/ac/ax)
- UWB (MAC & PHY Solutions)
- NB-IoT (Radio, Transceivers, GNSS)

CDNN

Motion Engine™

Optical Distortion Corrections

SLAM SDK

ClearVox™

SW IPs, Tools & Libraries

- Deep Neural Network Compiler (CDNN)
- Communications, Computer Vision & DSP Libraries
- Motion Sensors Fusion Algorithms & Complete IMU-MCU/SiP
- Wide-angle Algorithms Suite
- Speech recognition Algorithms (Whispro™)
- Noise Reduction, Echo Cancellation, Beamforming Algorithms (ClearVOX™)

Applications

Drones

AR / VR

Surveillance

5G

Radar

IoT

V2X

Customer Success: Program Management Mitigates Risk

ADG Program success depends highly on the robustness of the contractor-subcontractor partnership and the quality of proactive program and project management. This truth is most evident in the development of complex technological solutions under extreme schedule pressure. Intrinsix brings its proven engineering staff together with professional project managers to tackle complexity and ensure success.

For more information contact us at:
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