

60+ DEVICES
Each second

20,000,000,000+
Devices to date

CONNECT. SENSE. INFER.

Who We Are

We are passionate about the smart edge. Our wireless communications and edge AI sensing technologies are at the heart of today's most advanced smart edge products. We deliver the technology that enables a smarter, safer, and more interconnected world. We excel in providing the technology and market expertise our customers need to be successful, and we've been doing it for over 30 years. Ceva is already powering more than 20 billion of the world's most innovative smart edge products.

What We Do

We provide our customers with comprehensive, vertically integrated silicon and software IP solutions that enable them to develop intelligent, connected devices with superior performance, power efficiency and flexibility.

Whether it is sensing, analyzing and applying AI to data from a camera, a microphone or an inertial measurement unit, or connecting a device using 5G, NB-IoT, Wi-Fi, Bluetooth or UWB, our unique technology IP portfolio lowers barriers-to-entry, time-to-market and costs associated with getting to market.

The Ceva IP Portfolio:



20 Billion Ceva - Powered Devices Shipped Worldwide

Connect



From Bluetooth to 5G, we ensure seamless connectivity as the world's leading licensor of IoT connectivity solutions.

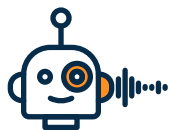
Our advanced Ceva-Waves platform solutions for Bluetooth low energy and dual mode, Wi-Fi, and UWB, help fast-track your SoC design.

With over 1 billion devices powered by our IoT connectivity IPs shipped annually, we are at the heart of the IoT revolution, supporting smart hearables and TWS earbuds,

smartwatches, wireless sensors, and speakers.

Additionally, 5G and cellular IoT have transformed communication with incredible data speeds and new use cases leveraging cellular networks. Our PentaG baseband platforms lower entry barriers for developing 5G, 5G-Advanced and SATCOM modems and SoCs, while our Ceva-XC vector DSPs for 5G smartphones, terminals and infrastructure form the backbone of 5G networks globally.

Sense



Our Sensor Fusion, Audio, and Voice software solutions, along with our Audio and Vision DSPs (Digital Signal Processors), deliver cutting-edge user experiences.

From RealSpace, which offers immersive spatial audio with precise head tracking, to ClearVox, providing crystal-clear voice calls in challenging situations using Audio AI, and Ceva-BX1 audio DSP and Ceva-SensPro vision AI DSP, our offerings meet the demands of Edge AI, Imaging, Vision, Radar, Audio, and Voice applications.

Additionally, our MotionEngine sensor fusion software translates human, robotic, and device motion into intuitive user interfaces, accurate navigation systems, and context-aware devices.

Whether you're designing TWS earbuds, headphones, soundbars, conferencing systems, AR/VR headsets, action and surveillance cameras, industrial robots, or other consumer devices, we deliver next-level experiences that your customers crave.

Infer



Our Edge AI solutions empower the creation of intelligent machines with human-like abilities across various applications, including automotive safety, surveillance, voice assistants, and ambient sensing.

We provide a comprehensive family of scalable Neural Processing Units (NPU) designed for power-efficient Edge AI deployment in neural network-based designs, paving the way for the future of Edge AI applications.

From NeuPro-Nano, optimized for embedded machine learning workloads in AIoT applications, to NeuPro-M, tailored for multi-modal, generative AI, and agentic AI use cases at the edge, our offerings are equipped to meet the demands of next-generation Edge AI.

Additionally, our NeuPro-Studio AI SDK enhances model development and deployment efficiency, ensuring our solutions cater to the evolving needs of Edge AI technology.

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For more information:



5G Mobile and IoT

Ceva-PentaG2 Lite	5G Baseband IP Platform	5G Baseband IP Platform for Mobile Broadband and IoT, targeting reduced capability (RedCap) and Cat-1 use cases.
Ceva-PentaG2 Max	5G Baseband IP Platform	5G Baseband IP Platform for Mobile Broadband and IoT, targeting wideband use cases.
Ceva-BX2	PHY Control Processor	High level programmable, modern processor for a broad range of signal processing and control workloads.

5G Infrastructure

Ceva-PentaG RAN	5G Baseband IP Platform	5G Baseband Platform IP for a wide range of cellular infrastructure applications, 5G RAN ASICs and Open RAN.
Ceva-XC23	Advanced Vector Baseband Processor	The world's most advanced and efficient vector DSP with AI support, targeted for intense 5G, 5G-Advanced, and SATCOM workloads in both high-end UE and Infrastructure devices.
Ceva-XC21	Communication Processor	High-efficiency scalable multi-mode communication DSPs for 5G and 5G-Advanced applications. Family consists of 3 SPs - XC210, XC211, XC212

Wireless IoT

Ceva-Waves Links	Multi-protocol Wireless Platforms	Family of highly versatile multi-protocol wireless platform IPs for enhanced connectivity in MCUs & SoCs, for the Smart Edge
Ceva-Waves Bluetooth	Bluetooth IP Platforms	A complete suite of embedded Bluetooth IP platforms, spanning Low Energy and Dual Mode, including 802.15.4 add-on
Ceva-Waves Wi-Fi	Wi-Fi IP Platforms	A complete suite of embedded Wi-Fi IP platforms, spanning Wi-Fi 4, Wi-Fi 5, Wi-Fi 6/6E and Wi-Fi 7
Ceva-Waves UWB	UWB IP Platform	Low power ultra-wideband IP compliant with FiRa and CCC for Mobile, Automotive, Consumer and IoT applications
Ceva-Waves Dragonfly	eNB-IoT IP Platform	Full eNB-IoT Release 15 IP platform with multi-constellation GNSS support for IoT devices.

Edge AI, Computer Vision, Radar/Lidar, Audio/Voice

Ceva-NeuPro-Nano	NPU architecture for TinyML	Highly efficient single core Edge AI NPU for TinyML applications
Ceva-NeuPro-M	NPU architecture for AI processors	NPU IP family for generative and classic AI with highest power efficiency, future proof, scalable from 1-1200 TOPS
Ceva-SensPro Radar	Radar and Lidar DSP	DSP based Radar/Lidar processing solution family, targeting ADAS and high-end 4D imaging Radar/Lidar applications.
Ceva-SensPro	Computer Vision and AI DSP	High Performance Scalable Vision and AI DSP Architecture for multitasking sensing and AI of multiple sensors, scalable from 0.1-3 TOPS.
Ceva-BX1	Audio/Voice DSP	A modern Audio DSP, designed for battery operated, high-performance, audio and voice applications.

Sensing & Audio Software

Ceva-RealSpace	Spatial Audio	3D audio rendering and head tracking software solution for immersive spatial audio in hearables, AR/VR, and consumer devices.
Ceva-ClearVox	Noise Reduction	Environmental Noise Cancellation software package providing enhanced speech intelligibility for voice-enabled devices.
Ceva-MotionEngine	Motion Sensing	Versatile and powerful sensor processing software that combines high accuracy 6-axis and 9-axis sensor fusion, dynamic sensor calibration, and many application specific features such as cursor control, gesture recognition, activity tracking, and more.
Sensor Fusion Chips and Modules	FSP201	6-axis sensor hub with embedded sensor fusion and specialized algorithms for robotics, XR, and spatial audio.
Sensor Fusion Chips and Modules	BNO085/086	9-axis IMU that has processor and sensor all in one convenient SiP.
Sensor Fusion Chips and Modules	FSM300/FSM305	Individually calibrated turn-key module that utilizes the BNO08X IMUs.

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