

60+ DEVICES
Every second

17,000,000,000+
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 17 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:



17 Billion Ceva - Powered Devices Shipped Worldwide

● 5G Mobile & Infrastructure

5G has changed the way we communicate, bringing incredible data speeds and exciting new use cases leveraging cellular networks.

Smartphones, fixed wireless access and cellular V2X are just some of the use cases where our PentaG2 baseband platform can significantly lower the entry barriers for companies looking to develop 5G modems and SoCs.

And our Ceva-XC vector DSPs for 5G base station and RAN, including Remote Radio Units, Active Antenna Units, O-RAN Distributed Units and Baseband Units and other wireless infrastructure are helping form the backbone of 5G networks around the world.

● Edge AI Sensing - NPU & DSP

Our Edge AI Sensing solutions help to create artificially intelligent machines with similar to humane abilities in applications such as automotive safety, surveillance, voice assistants, and ambient sensing.

We offer a comprehensive suite of scalable processor solutions for power efficient Edge AI deployment in neural network-based designs, tailored for the future of Edge AI and sensing applications.

From NeuPro-M NPUs (Neural Processing Units), SensPro2 and Ceva-BX DSPs (Digital Signal Processors), to CDNN full AI stack, our range of offerings cater to the demands of Edge AI, Imaging, Vision, Radar, Audio, and Voice use cases.

● Wireless IoT

We are the world's leading licensor of connectivity solutions for the IoT.

Whether it's our advanced Bluetooth low energy and dual mode solutions, our Wi-Fi platforms or our UWB and cellular IoT solutions, we can help fast-track your SoC design.

With many leading semiconductors and OEMs as our customers, more than 1 Billion devices powered by our IoT connectivity IPs are shipped every year.

From smart hearables and TWS earbuds to smartwatches, wireless biosensors and speakers, Ceva is at the heart of the IoT revolution.

● Sensing & Audio Software

Our Sensing, Audio and Voice software solutions provide cutting-edge user experiences.

From RealSpace for immersive and realistic spatial audio with precise head tracking, ClearVox for crystal clear voice calls in challenging situations using Audio AI, to simple and reliable voice control using WhisPro. In addition, our MotionEngine sensor fusion software solutions translate human, robotic, and device motion to power intuitive user interfaces, accurate navigation systems, and context aware devices. Whether you're designing TWS earbuds, headphones, soundbars, conferencing systems, AR/VR headsets, remote controls, home robots, or other consumer devices, we deliver the next-level experiences which your customers crave.

End markets:



Consumer IoT



Mobile



Automotive



Infrastructure



Industrial



PC

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For more information:








Silicon and Software IP Portfolio





5G Mobile and IoT

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

5G Infrastructure

	5G Baseband IP Platform	5G Baseband Platform IP for a wide range of cellular infrastructure applications, 5G RAN ASICs and Open RAN.
	Advanced Vector Baseband Processor	The world's most advanced and efficient vector DSP, targeted for intense 5G and 5G-Advanced workloads in both high-end UE and Infrastructure devices.
	Communication Processor	Highly powerful and scalable multi-mode communication processor for advanced wireless applications.

Wireless IoT

	Bluetooth IP Platforms	A complete suite of embedded Bluetooth IP platforms, spanning Low Energy and Dual Mode, including 802.15.4 add-on
	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
	UWB IP Platform	Low power ultra-wideband IP compliant with FiRa and CCC for Mobile, Automotive, Consumer and IoT applications
	eNB-IoT IP Platform	Full eNB-IoT Release 15 IP platform with multi-constellation GNSS support for IoT devices.

AI and Computer Vision



NeuPro-M™
by CEVA

**Smart Edge AI/ML
Architecture**

NPU IP family for generative and classic AI with highest power efficiency, future proof, scalable from 4-1200 TOPS



SensPro™ 2
by CEVA

**High Performance Sensor
Hub Architecture**

High Performance Scalable Sensor Hub DSP Architecture for multitasking sensing and AI of multiple sensors, scalable from 0.1-3 TOPS.

Audio & Voice



Audio/Voice AI DSP

A modern, high performance Audio DSP, optimized for far-field noise reduction and sound AI.



Audio/Voice DSP

A modern Audio DSP, designed for battery operated, high-performance, audio and voice applications.

Sensing & Audio Software



RealSpace®

Spatial Audio

3D audio rendering and head tracking software solution for immersive spatial audio in hearables, AR/VR, and consumer devices.



ClearVox™

Noise Reduction

Front-end voice processing software package providing enhanced speech intelligibility for voice-enabled devices.



WhisPro™

Speech Recognition

Neural network-based speech recognition SDK for voice assistants and IoT devices, including:

- Voice trigger - multiple wakewords (e.g. Alexa)
- Voice commands - voice control (e.g. "volume up")
- Voice biometrics - speaker ID



**Motion
Engine™**

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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