

TURBO X

EB2 Edge AI Box

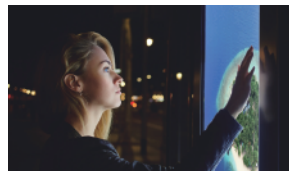


EB2 Edge AI Box is a cost-effective edge computing device with 1.7 TOPS AI performance, up to 6 channels FHD video decoding. It can flexibly adapt to different network access requirements during deployment, including Gbits Ethernet, 4G and Wi-Fi. With the compact and industrial design, EB2 featuring rich interfaces and stable performance. Embedded with OSware.Edge, supports edge-cloud synergy, remote AI algorithm and application deployment, FOTA, which make it widely applied to the fields of applications like digital signage, smart retail, smart building, etc.

Application Scenarios



Smart Building



Digital Signage



Smart Retail

Product Features

- Support 1.7 TOPS AI performance, up to 6 channels FHD video decoding
- Rich interfaces, support Gbits ethernet, 4G, and Wi-Fi networks
- Fanless design, support indoor/outdoor deployment
- Support Linux or Android operating system
- End-to-end security mechanism to ensure device security
- Device-edge-cloud synergy



Specification

	OS	Linux, Android 10
Platform	SoC	CPU: 64-bit ARM V-8 compliant applications processor, Dual high-performance cores 2.2 GHz, Hexa low-power cores 1.8 GHz. Artificial Intelligence (AI) Engine 1.7TOPS.
		Video Processor Multi-format codec up to 4K30 video encode. Multi-stream codec (4K30 (HEVC) + 720p30 (YUV) + 480p30 (VA-YUV))
Memory	RAM	6GB LPDDR4x
Storage	ROM	64GB USF 2.1
	External memory	1x MicroSD card
Peripheral I/F	USB	2x USB3.1 Type-A
	Video out	1x HDMI out Type-A, 1080p@60FPS
	MicroSD	1x MicroSD card Slot
	Ethernet	1x RJ45 support Gigabit LAN
	SIM	1x nano SIM card slot
Wireless Connectivity	LTE	Cat4 up to 150Mbps (DL)/ 50Mbps (UL)
	Wi-Fi	1x 802.11a/b/g/n/ac 2.4G/5GHz
External ANT	LTE	1x Main ANT and 1x diversity ANT
	WIFI ANT	1x ANT 2.4G/5Ghz
Power	Power type	DC 12V
Mechanical	Dimension	169mm X 110mm X 50mm
	Mount	Wall Mount, Desktop
Environment	Operation Temperature	-20°C~+60°C
	Storage Temperature	-40°C~+70°C
	Waterproof	IP40
	Storage Humidity	10%~90%, non-condensing
Certification		JATE/TELEC, CCC, RoHS