

EB3G2 Edge AI Station



EB3G2 Edge AI Station is a high-performance AI edge computing device. It adopts an industrial-grade fanless design. Embedded with the built-in edge software Edge OS, it provides customers with device management, video management, AI algorithm configuration, application upgrades, edge-cloud collaboration, customization, and multi-cloud connectivity. EB3G2 delivers superior 14 TOPS of AI performance and up to 8 channels full HD video processing, which can be widely used in smart retail, smart building, smart factory, smart transportation, and many other edge AI application scenarios.

■ Scenarios



Smart City



Smart Building



Smart Retail



Smart Factory



Smart Transportation



Smart Grid

■ Features

- Premium performance with high AI computing power and multiple channel decoding.
- Rich interfaces and multiple types of networks for Edge computing scenarios.
- Industrial design that can withstand harsh environmental conditions.
- Deeply optimized streaming media AI analysis service.
- Visual configuration of AI algorithms and applications.
- Edge cloud collaboration, large-scale deployment, one-stop management.



■ Specifications

Platform	OS	Linux/Android
	SoC	Qualcomm® QCS6490
	Qualcomm® Artificial Intelligence (AI) Engine: 12 TOPS	CPU: 1Gold+ (2.7 GHz); Gold (3 x 2.4 GHz); Silver (4 x 1.9 GHz) GPU: Adreno 643
	Video Processor	Adreno VPU 633 Video decode: up to 4K60 for H.264/H.265/VP9 Video encode: up to 4K30 for H.264/H.265 Video concurrency: 1080p60 decode and 1080p60 encode/4K30 decode + 1080p30 encode
System Memory	RAM	8GB LPDDR4X
Storage	Flash	128GB UFS2.2
	Expansion	1 x Micro SD card slot, 1 x M.2 connector for 2280 NVME SSD (SSD optional)
I/O Interface	HDMI	1 x HDMI out
	Audio	2 x 3.5 inch Jack for 1 x MIC, 1 x Earphone
	Ethernet	2 x RJ45 Gigabit Ethernet (10/100M/1000M)
	USB	3 x USB3.0 Type-A , 1 x USB2.0 Type-A , 1 x USB3.1 Type-C
	COM Port	Phoenix connector, 2 x RS485, 2 x RS232
	DI/DO	Phoenix connector, 4 x DI (Photocoupler), 2 x DO (Switch: Short/OFF)
	SIM	1 x Nano SIM card slot
Wireless Connectivity	Antenna	6 x Antenna connector, 2 x for WIFI, 4 x for 4G/5G
	WIFI	Support M.2 module (WIFI module optional)
4G/5G	Support M.2 3042 4G/3052 5G NR Sub-6 module (4G/5G module optional)	
Input & Indicators	Buttons	Power button, Reset button
	LEDs	Power status, WIFI status, 5G status
Others	RTC Battery	CR2032 RTC battery
Power	DC Input	Support DC input range of 12V to 24V
Mechanical	Dimensions	235mm x 200mm x 42mm
	Weight	2200g
	Mount	Wall Mount, Desktop
Environment	Proof Level	IP40
	Operation Temperature & Humidity	-20°C~60°C, 5%~95% non-condensing
	Storage Temperature & Humidity	-40°C~80°C, 5%~95% non-condensing