

EB5G2 Edge AI Station



EB5G2 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. EB5G2 delivers superior 48 INT TOPS/12 FP16 TOPS of AI performance and up to 24 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® QCS8550
	CPU	CPU: 1 GoldPlus 3.2GHz + (2+2) Gold 2.8GHz + 3 Sliver 2.0GHz
	GPU	GPU: Adreno A740
	NPU	NPU: Dual eNPU V3, 4 x HVX, HMX, 48 INT8TOPS/12 FP16 TOPS
	Video Processor	4K240/8K60 dec, 4K120/8K30 enc, AV1 decoder
System Memory	RAM	12GB LPDDR5X
Storage	Flash	128GB UFS3.1
	Expansion	1 x Micro SD card slot, support M.2 2280 NVME SSD (SSD optional)
I/O Interface	HDMI	2 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 USB3.1 Type-C
	Ethernet	2 x RJ45 Gigabit Ethernet (10/100M/1000M)
	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 WIFI 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