

**AIX-6000 (Preliminary)**

**Edge AI Box**



**Feature**

- **Efficient Edge AI**  
12 INT8 TOPs for lightweight AI inferencing at the edge.
- **Powerful Compute Core**  
Based on Qualcomm® Dragonwing™ QCS6490 for mid-range AI workloads.
- **Integrated GPU**  
Adreno™ 643L delivers reliable graphics for AI vision tasks.
- **Optimized Memory & Storage**  
8GB LPDDR4x and 128GB UFS ensure responsive performance.
- **Versatile OS Support**  
Runs Android 13 and Yocto Linux for flexible integration.

**Specification**

<b>System</b>	CPU	Qualcomm® Dragonwing™ QCS6490
	GPU	Qualcomm® Adreno™ 643L
	AI	12 INT8 TOPs
	RAM	8GB LPDDR4x
	Storage	128GB UFS
	OS	Android 13, Yocto Linux
<b>I/O Ports</b>	Button	1 x power, 1 x reset
	HDMI	2 x HDMI
	USB	2 x USB 3.0 Type-A
	Ethernet	2 x 10/100/1000Mbps Ethernet
	Serial Port	2 x COM RS-232/RS-422/RS-485
	CAN Bus	2 x CAN FD
<b>Extension Slots</b>	M.2	1 x M.2 2242/52/80 Key B socket 1 x M.2 2230 Key E socket 1 x M.2 2280 Key M socket (optional)
	SD Card Slot	1 x MicroSD Card Slot
	SIM Slot	1 x NanoSIM Slot
<b>Wireless Connectivity</b>	Wi-Fi/Bluetooth	M.2 Wi-Fi 6/Bluetooth Combo Module (optional) IEEE 802.11ax/ac/a/b/g/n, Bluetooth v5.2
	Cellular	M.2 5G module (optional)
<b>Power Supply</b>	DC Input	9V ~ 36V, 3-pole Terminal Block
	AC Input	60W power adapter (optional)
<b>Mechanical</b>	Dimensions (W x D x H)	150mm x 120mm x 70mm
	Weight	Gross 1.725 KG
	Mounting	Wall mount, VESA DIN rail (optional)
	Antenna Connector	5 x SMA connector (optional)
<b>Environmental</b>	Operating Temperature	-20°C to 60°C
	Operating Humidity	5%~90% @40°C (non-condensing)
	Storage Temperature	-40°C to +85°C
	Regularity	CE & FCC class B