







		Edge AI Box - EX3	Edge AI Box - EX5	Edge AI Box - EX7
Appearance		<p>Front View</p> 	<p>Rear View</p> 	<p>Front View</p>  <p>Rear View</p> 
		Jetson	Jetson Orin Nano 8GB (40TOPS)	Jetson Orin NX 16GB (100TOPS)
NVIDIA Jetson Orin series		Appearance		
		GPU	1024-core NVIDIA Ampere GPU with 32 Tensor Cores	1792-core NVIDIA Ampere GPU with 56 Tensor Cores
		CPU	6-core Arm Cortex-A78AE v8.2 64-bit CPU 1.5 MB L2 + 4MB L3	8-core Arm Cortex A78AE v8.2 64-bit CPU 2MB L2 + 4MB L3
		DL Accelerator	N/A	2x NVDLA v2
		Vision Accelerator	N/A	1 x PVA v2
		Memory	8GB 128-bit LPDDR5 68 GB/s	16GB 128-bit LPDDR5 102.4 GB/s
		Storage	N/A (*supported by external NVMe)	32 GB 256-bit LPDDR5 204.8 GB/s
				64GB eMMC 5.1
System I/O		Ethernet	1 x GbE PoE & 1 x 2.5 GbE PoE (30 Watts; non-isolated) *Reserve GPIO on carrier for PoE Power Control	2 x 2.5 GbE 8 x 10/100 MbE PoE (60 Watts; non-isolated)
		USB	2 x USB 3.2 Gen 2 Type A (*one of them features OS Flash) *For sensor / camera / keyboard / mouse and OS Flash 1 x Recovery switch for OS Flash	4 x USB 3.2 Gen 2 Type A 2 x USB 2.0 Gen 2 Type A 1 x Recovery switch for OS Flash
		DIO	4 in/4 out DIO (isolated; terminal block)	1 x 8-CH DI/DO
		Display	1 x HDMI 2.0 (4K @ 60Hz) (Lockable)	1 x HDMI 2.0 (4K @ 60Hz) (Lockable)
		LED Indicator	1 x Power Input LED 1 x M.2 SSD active LED	1 x Power Input LED 1 x M.2 SSD active LED 2 x LAN status LED 8 x PoE status LED
		Button	1 x Power button 1 x Reset button	1 x Power button 1 x Reset button
		Switch	1 x Remote power switch 1 x AT / ATX switch	1 x Remote power switch 1 x AT / ATX switch
		Power Input	1 x 24 VDC power input (Phoenix type) 1 x Grounding screw	1 x 24 VDC power input (Phoenix type) 1 x Grounding screw
Wireless connectivity	Wi-Fi / LTE / 5G	1 x M.2 E-Key 2230 slot for Wi-Fi 6(E) & BT5 or 1 x mini PCI-Express slot for Wi-Fi & LTE 1 x M.2 B-Key 3042/3050/3052 slot (USB only) for 5G/LTE 1 x Nano SIM slot	1 x M.2 E-Key 2230 slot for Wi-Fi & BT 1 x M.2 B-Key 3042/3050/3052 slot (USB only) for 5G/LTE 1 x Nano SIM slot	
Antenna		Front Side Openings	3 x Antennas for 5G / LTE / Wi-Fi / Bluetooth / GPS	3 x Antennas for 5G / LTE / Wi-Fi / Bluetooth / GPS
		Rear Side Openings	2 x Antennas for 5G / LTE / Wi-Fi / Bluetooth / GPS	2 x Antennas for 5G / LTE / Wi-Fi / Bluetooth / GPS
System recovery	CPU/LTE/PoE WDT	CPU & LTE & Camera Watchdog Timer for cold reboot, LTE module reboot and PoE reboot	N/A	
General		IP Rating	IP40 (IP65 by waterproof chassis)	IP40
		Power Supply	24VDC (Phoenix Type)	24VDC (Phoenix Type)
		Power Consumption	TBC	TBC
		Operating Temperature	-25°C to +60°C	-25°C to +50°C
		Vibration	3 Grms with M.2 (5 to 500Hz, X, Y, Z directions)	3 Grms with M.2 (5 to 500Hz, X, Y, Z directions)
		Shock	IEC 60068-2-27: w/ M.2:50G, 11ms (X, Y, Z) duration 3 times (Each axis)	IEC 60068-2-27: w/ M.2:50G, 11ms (X, Y, Z) duration 3 times (Each axis)
		Dimension	TBC	239 x 185.3 x 79.4mm
Software	S/W Support	Jetpack 5.1.x (Ubuntu 20.04) or later	Jetpack 5.1.x (Ubuntu 20.04) or later	