YB3 OT | IoT Edge / vCPE

Flexible & Powerful
Pre-configured appliance for OT network sensors

- Tested and certified by Microsoft® labs for usage as a pre-configured appliance for OT network sensors
- Based on Intel® Atom® C3708 Series, 8- cores
- 16GB DRAM/ 256GB NVMe SSD
- Six ports of GbE
- Optional Wireless / WAN / BT through M.2 and Mini-PCIe slots.
- Compact enclosure 209x187x37.5mm (1U).
- Rugged fanless design for harsh environments enduring -40°C to 75°C
- Optional wide range supply voltage ranging from 9VDC to 28VDC.
- Supplied with pre-installed operating system and application software

HEPTAGON SYSTEMS

YB3x OT | Specification

Note: the below specification are of the YB3x-OT model only. The YB3x series offers additional interfaces, CPU options, and memory configurations.

Part number	YB3708-16I-4X0/N256I/B	
Processor	Intel® Atom® C3708. 8- cores	
Memory	16GB VLP DDR4 ECC 2400 MHz	
Storage	NVMe SSD: 256GB M.2 KEY M, PCIE3.0 x4, 2280 or 22110	
Networking	RJ45: 6x 1GbE	
	Optional: WWAN / WLAN: 5G,4G, / 802.xx Wireless LAN (using M.2/Mini-PCIe)	
	Optional: Bluetooth: BT 5.0 (using M.2/Mini-PCIe)	
Display	Display Port, part of the BMC	
Interfaces	USB: 4x USB3.0	
	Serial ports: 2x RS232	
	Optional CAN bus: Using mPCIE	

Expansion Slots	M.2 M-KEY: 1x socket, NVME, PCIEx4	
	M.2 B-KEY: 1x socket, SATA, USB3.0/2.0 + SIM	
	M.2 E-KEY: 1x socket, PCIEx1, USB2.0	
	MiniPCIe: 1x socket half size + SIM	
Management	BMC Aspeed AST2600 based, OpenBMC, IPMI 2.0, DCMI, iKVM, Virtual Media	
Security	TPM 2.0, SLB9665	
	SECURE BOOT, SECURE FLASH	
Power	12VDC or optional 9-28VDC with reverse polarity, Over/under voltage protection	
Led	Power, SSD, 2x GPIO	
Mechanical	DIMENSIONS: 209x187x37.5mm (WxDxH), WEIGTH: 1.1Kg	
Environment	OPERATING TEMPERATURE	Industrial* -40°C to 75°C
	STORAGE TEMPERATURE	-40°C to 85°C
	HUMIDITY	95%@40°C (non-condensing)
	SHOCK AND VIBRATION	As defined by ETSI standard ETS 300 019-1-5, 5M2 profile Higher profile can be provided
Certification	EMC: CE, FCC ,AS/NZS, SAFETY: IEC 60950-1, AS/NZS	
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