

AX-320BT | Fanless Embedded computer | 8 GLAN 4 COM | BITECH



Features:

- 10th Gen. Intel Core i5-10210U, Quad-Core
- Eight 2.5GbE, Four RS232/485,
- Wide voltage: 9–36V DC input, Phoenix terminal, remote power on/off;
- Fanless, cable-less, jumper-less, and unibody aluminum alloy design with multi-mount (wall, side, DIN-rail, VESA).
- Support **Windows 11 & Ubuntu**, Embedded software



SKU	AX-320BT
Product type	Industry Computers (FANLESS)
Product color	Extruded Aluminum with Heavy Duty Metal
Operating system	Windows 11 pro, Ubuntu
PROCESSOR/RAM/STORAGE	
Processor Name	Intel® Core i5 10210U (up to 4.2 GHz with Intel® Turbo Boost Technology, 3MB L3 cache, 4 cores, 8threads) ,TDP 10W
BIOS	AMI BIOS
Memory	On board 4GB/8GB/16GB option, 1x DDR4 SO-DIMM socket
Storage	1x2.5" SATA HDD/SSD or 1x Half-slim SSD (SATA3.0) 1x M.2 M-Key 2280 (PCIe_4X)
Graphics	
Graphic card	Integrated Intel® UHD
Display	1x 24 bits LVDS (LVDS/eDP one of them options) 1x HDMI 2.1
CONNECTIVITY AND COMMUNICATION: ----- (The below information for Core i5-1345U)	
Network interface	Intergrated 8x LAN 10/100/1000 2.5GbE - 7x i211-AT, 1x i219-LM
4G/5G	1x M.2 B-Key (PCIe+USB3.0, 4G/5G Module), 1x Slim slot
Wireless	1x M.2 E-Key (PCIe_1X, Wifi module)
INTERFACE	
I/O ports	USB 4x 5Gbps USB 3.2 Gen1, Type A
	Display 1x HDMI 2.1, 4K@60Hz
	COM 4x Full RS232/422/485
	LAN 8x LAN 10/100/1000 2.5GbE (7 LAN i211-AT, 1 LAN i219-LMT)
	Audio 1 x 3.5mm Combo audio jack
Power	
Power input	DC 9-36 v, Ø5.5x2.5 mm
	1x Phonex termial
	1x Remote Power On/Off, 2-pin Terminal Block
Environment	

Operation Temperature	• -20°C to +60°C • PassMark BurnInTest: 100% CPU, 2D/3D Graphics (without thermal throttling) • With extended temperature peripherals; Ambient with air flow • According to IE61000-3-2, IE61000-3-3
Storage Temperature	-40°C to +85°C
Relative Humidity	• 95% RH @ 70°C (Non-condensing)
Shock	15G, 11ms
Vibration	5 - 500 Hz/1 Grms
EMC	• CE, UKCA, FCC, ICES-003 Class A • EN61000-6-4, EN61000-6-2 (24VDC Input Only)
EMI	• CISPR 32 Conducted & Radiated: Class A • EN/BS EN 55032 Conducted & Radiated: Class A • EN/BS EN IEC 61000-3-2 Harmonic current emissions: Class A • EN/BS EN61000-3-3 Voltage fluctuations & flicker • FCC 47 CFR Part 15B, ICES-003 Conducted & Radiated: Class A
EMS	• EN/IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV • EN/IEC 61000-4-3 RS: 80 MHz to 1000 MHz: 10 V/m • EN/IEC 61000-4-4 EFT: AC Power: 2 kV; DC Power: 1 kV; Signal: 1 kV • EN/IEC 61000-4-5 Surges: AC Power: 2 kV; Signal: 1 kV • EN/IEC 61000-4-6 CS: 10V (**Compliant with the standard when utilizing shielded ethernet cable.) • EN/IEC 61000-4-8 PFMF: 50 Hz, 30A/m • EN/IEC 61000-4-11 Voltage Dips & Voltage Interruptions: 1 cycles at 60 Hz
Dimensions And Weight	
Dimensions (W x D x H)	240 x 153 x 63.5 mm
Weight	1.8 kg
Mounting	• Wall / Side / DIN-RAIL / VESA Moun
Physical Design	• Fanless Design • Cableless Design • Jumper-less Design • Unibody Design
Lifetime/Warranty/After sales service (For more details, Pls check our after-sales service policy document)	
Lifetime	5-7 years lifecycle for mainboard, modules, shells, ICs.
Technical support	lifetime for OS support, BIOS/Firmware updates, CAN/RS485/PLC debugging,
Warranty	24-Month for completely unit
* We deliver audited consistency with AQL inspection, 100% 6-hour power-on burn-in under load, full SN traceability	
Business Terms	
MOQ	MOQ 100 Light Customization NRE Refund @ 2K Units
Customization	OEM/ODM services include I/O layout changes, wireless pre-integration, storage upgrades, front panel branding, and pre-loaded system images for volume projects. NRE new project
Delivery time	35 days for light customization, NRE project against the real situation

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BITECH provides scalable hardware platform solutions with optional SDK and OS customization for fast system integration