

AX-134BT | Fanless Embedded computer | Dual CAN Bus Six-COM | BITECH



Features:

- Supports Intel® 13th Gen Core™ i9/i7/i5/i3 Processors
- Exclusive modular mainboard architecture (Fits AX-130BT / AX-134BT ONLY)
- 4 x 2.5GbE LAN (Intel i226), 4 x RS-232/422/485, 6 x USB
- 9 ~ 36 VDC wide range power input with reverse polarity protection
- Wide operating temperature range (-20 ~ 60 °C).
- Rugged aluminum extrusion, fanless design for extreme



SKU		AX-134BT
Product type		Industry Computers (FANLESS)
Product color		Extruded Aluminum with Heavy Duty Metal
Operating system		Windows 11 pro, Ubuntu
PROCESSOR/RAM/STORAGE		
Processor Sys	CPU	CPU support from 6th-14th Core i3/i5/i7 13th Gen Intel® Core™ i5-1345U 10-Core
	Architecture	Module mainboard (AX-130BT/AX-134BT Series ONLY)
TPM2.0		TPM2.0
BIOS		AMI BIOS
Memory		1x DDR4 SO-DIMM socket, support DDR4 3200MHz
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® Iris® Xe Graphics
Display	1x 24 bits LVDS (LVDS/eDP one of them options)	
	1x HDMI 2.1 / 1x DP , resolution max 4096 x2160@60 Hz	
CONNECTIVITY AND COMMUNICATIONS ----- (The below information for Core i5-1345U)		
Network interface		Intergrated 4x LAN 10/100/1000 1 GbE
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	2 x 5Gbps USB 3.2 Gen1, Type A
		4x USB2.0, Type A
	Display	1x DP out, 1.4a, 4K@60Hz
		1x HDMI 2.1, 4K@60Hz
	COM	2x Full RS 232/485/422, 4x RS232
	CAN	2x Can bus
	LAN	Intergrated 4x LAN 10/100/1000 1.0 GbE - 3x i226v, 1x i210AT
	Audio	1 x 3.5mm Combo audio jack

Power		
Power input		DC 9-36 v, 5.5x2.5 mm
		1x Phonex terminal
		1x Remote Power On/Off, 2-pin Terminal Block
Expansion		
Expansion	LPT	1x LPT, 2x 13 Pin
	CMOS	1x CMOS, 1x 2 Pin
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)		210 x 150 x 70 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