

# Fanless Embedded Industrial Computer



## KTB-2230L

Fanless Embedded Industrial Computer  
based on Intel J1900/I5-4200U processors

The KTB-2230L series host product is based on Intel Core J1900/I5-4200U processor, providing VGA/HDMI display, with up to 6 serial ports (6\*RS-232 or 2\*RS-485/4\*RS-232) on the panel. It provides 2 USB3.0 and 4 USB2.0, WIFI/4G (optional), Gigabit Ethernet, and 3G/4G, making the product have a flexible network application environment. It adopts WINDOWS/LINUX intelligent operating system, which is more stable and easier to maintain.

This product combines the advantages of stable and reliable industrial-grade product performance and intelligent digital multimedia players, and can provide solutions for a wide range of fields such as digital signage, automotive, digital control, interactive clients, media playback, advertising LCD screens, traffic control, information systems, financial equipment, and many others.

## Fanless Embedded Industrial Computer Based on Intel J1900/4200U processor

### Features:

- Support WINDOWS/LINUX operating system
- Based on Intel J1900/4200U processor
- Support 3G and 4G Internet access to meet communication requirements (requires separate optional modules)
- Support Wifi and Bluetooth dual communication modules
- Support 6-channel serial ports 4\*RS-232+ 2\*RS-232/422/485
- DC-12V power input (optional DC9-36V)



Front panel photo



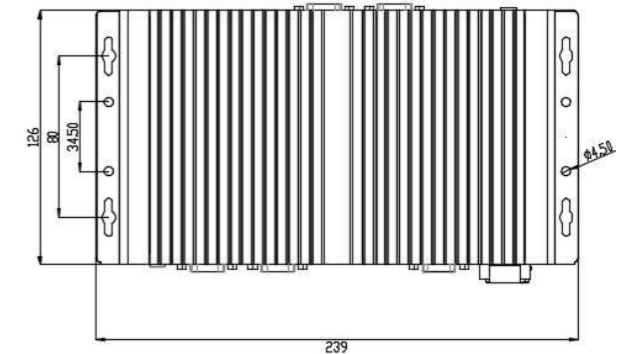
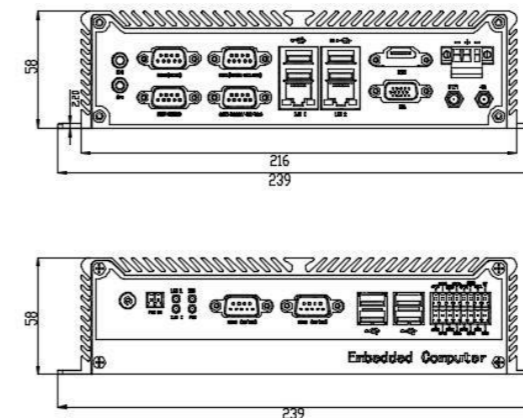
Rear window photo

Model	KTB-2230L	
Processor	Intel Celeron J1900 Intel I5-4200U	
Memory	DDR3, up to 8GB	
Operating system	WIN7/8/10/LINUX	
Storage	MSATA	1*MSATA
	SATA	1*SATA 2.5-inch
Display interface	HDMI	Support 1920*1200
	VGA	Support 1920*1200
Front I/O	USB	4*USB(2*USB2.0+2*USB3.0)
	Display	1*HDMI+1*VGA
	Network	2 Internet ports
	COM	4-channel serial ports 2*RS-232 / 2*RS-232/422/485
Rear I/O	Audio	1*MIC 1*SPK
	USB	2*USB2.0
	GPIO	14-bit GPIO
	COM	4-channel serial ports 2*RS-232
	PS/2	1*PS/2
Indicator light/switch	Front	1*POWER/1*HDDLED/2*LANLED
programming	Watchdog	Reset, programmable interval time
	RTC	Support RTC
environment	Working temperature	-20°C~70°C
	Storage temperature	-40°C~80°C
	Working humidity	90%(20±50°C)
Power supply	Dc power supply	DC 12V(Optional DC9~36V)
Product Size	(WxDxH)	239mm x 126mm x 58mm (WxDxH)
Total Weight		1.25kg

### Ordering information:

Model	Configure
KTB-2230L-J1900	J1900/2*LAN/6*USB/6*232(2*485 or 422)/14*GPIO/12V(Optional 9-36V)
KTB-2230L-4200U	4200U/2*LAN/6*USB/6*232(2*485 or 422)/14*GPIO/12V(Optional 9-36V)

### Dimensions



Unit: mm[inch]

# Fanless Embedded Industrial Computer



Silver



Black



## Fanless Embedded Industrial Computer Based on Intel J1900 processor

### Features:

- Onboard Intel Bay Trail J1900 2.42GHz CPU
- One DDR3 SO-DIMM slot, supporting a maximum of 8GB
- Support VGA+HDMI display output, support independent dual display
- Support one 2.5-inch hard disk and mSATA
- Support 1x USB3.0 and 5x USB2.0 ports
- No fan design, support one button restore, support remote switch
- Working temperature :-20°C~70°C
- 9~36V wide voltage DC power input



Front panel photo



Rear window photo

型号	KTB-2230L-T		
System	Processor	Intel Celeron J1900 2.42GHz processor	
	Chipset	Intel Bay Trail	
	Memory	1 DDR3 SODIMM memory slot, up to 8GB support	
	Storage	Support SSD/HDD,mSATA	
	Display	HDMI,VGA	
	Network port	2x GBE RJ45 Intel i211	
I/O interface	USB	1x USB3.0,5x USB2.0	
	COM	4x DB9 RS232/485,2x DB9 RS232	
	Audio	1x Audio Line-out	
	GPIO	16Bit GPIO	
	wireless	2x antenna, Support Wifi/3G/4G	
	System control	1x Power Button 1x Power Input 1x Power LED 1x HDD LED 1x Remote ON/OFF switch 1x One-key recovery button	
	Expansion	Extending the interface	Mini-Cardx 1 with SIM Card for 3g/4g Mini-Cardx 1 for WIFI/BLT Mini-Cardx 1 for mSATA LPC Busx 1
		Material	High quality aluminum alloy
		Color	Silver/Black
		Installation method	Embedded installation/wall-mounted installation/rail installation
Structural	Size	232.5mmx133mmx66.5mm(WxDxH)	
	Total Weight	2KG	
	Power input	Power input 9 to 36V DC power input 3-PIN wiring terminals	
Environmental parameters	Working temperature	-20~70°C	
	Storage temperature	-30~80°C	
	Working humidity	95%@ 40°C non-condensing state	
Operating system	Operating system	Win7, win8, win10, Linux	

## KTB-2230L-T

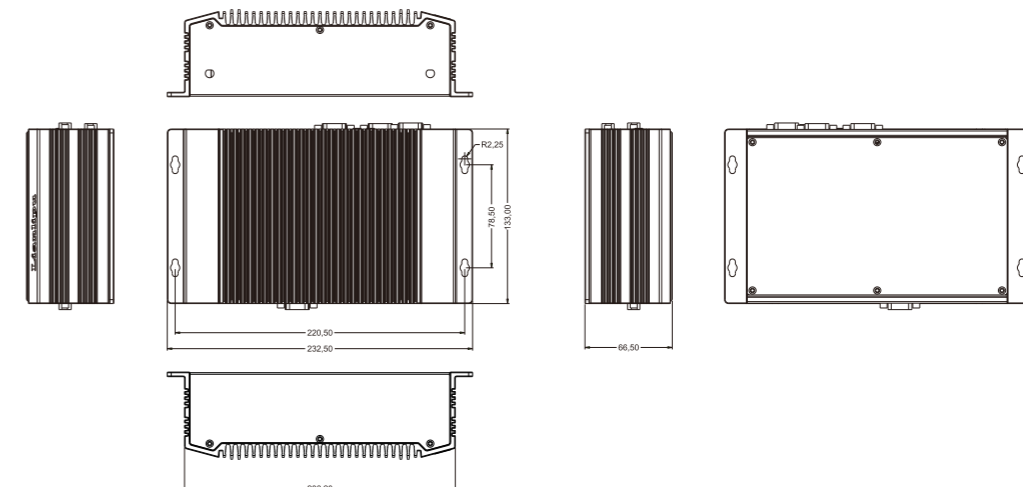
Fanless Embedded Industrial Computer based on Intel J1900 processors

The KTB-2230L-T is a fanless embedded industrial PC solution. Adopt Intel J1900 4 core processor and a DDR3 SO-DIMM memory slot supporting up to 8GB. Support VGA + HDMI display output, support independent dual display. Support 1 2.5-inch hard disk, support MSATA, support one USB3.0 interface and five USB2.0 interfaces, no fan design, support one-key restore, support remote switch, working temperature: -20 °C ~ 70 °C, the whole machine uses 9 ~ 36 V wide voltage DC power input.

The equipment is designed without fan, and Dust-proof design effectively prevents dust from entering the equipment, which ensures the more stable operation of the equipment. The internal heat of the equipment is rapidly dissipated through the design of the machine heat sink, so that it can adapt to a worse field environment. Most suitable for factory automation, machinery manufacturing, CNC equipment, textile equipment, intelligent power, food traceability and other PC monitoring and control.

The product is compatible with Win7, Win8, Win10, Linux and other mainstream operating systems and embedded operating systems.

### Dimensions



Unit: mm[inch]