

Compact Fanless System

Support for Intel 6th/7th/8th/9th Gen Core Desktop Processors



KTB-7700F-2P12C

Compact Fanless System

Based on the Intel Q170/H110 chipset

Supports 6th/7th/8th/9th Gen LGA1151 Intel i3/i5/i7 processors

KTB-7700F-2P12C is a high performance wide temperature wide voltage industrial computer with internal wireless connection, stable and reliable performance.

It is based on Intel Q170/H110 chipset, supports 6/7/8/9th Gen LGA1151 Intel i3/i5/i7 processors, supports 2 DDR4 SODIMM memory slots, supports up to 64G memory, 1 MSATA slot, supports 2.5-inch hard disk bay, rich IO interfaces, supports VGA+ HDMI display interface, 8 USB, 5 100/1000M network ports. In addition, it supports 12 serial ports, audio input and output, PS/2 interface. Support DC 9~ 36V wide voltage input, support positive and negative pole connection and reverse protection.

It supports embedded, wall-mounted, desktop and other installation methods, and is extensively applied in road traffic, rail transit, automation control, smart factory, display control, mechanical equipment and any other scenarios.

Fanless Embedded Industrial Computer Based on the Q170/H110 Chipset

Features:

- High performance wide temperature wide voltage industrial computer, fan-less design, internal wireless connection, stable and reliable
- Based on Intel Q170/H110 chipset, supports 6/7/8/9th Gen 1151 Intel i3/i5/i7 processors
- Support 2x DDR4 SODIMM slots, up to 64 GB memory
- Support VGA+HDMI display interface, 5 1000M network ports
- Support 1 MSATA slot, 2 2.5-inch hard drive slots
- 12COM (2 RS232/422/485), 8 USB
- Support DC 9 to 36V wide voltage input, supports positive and negative pole reverse protection



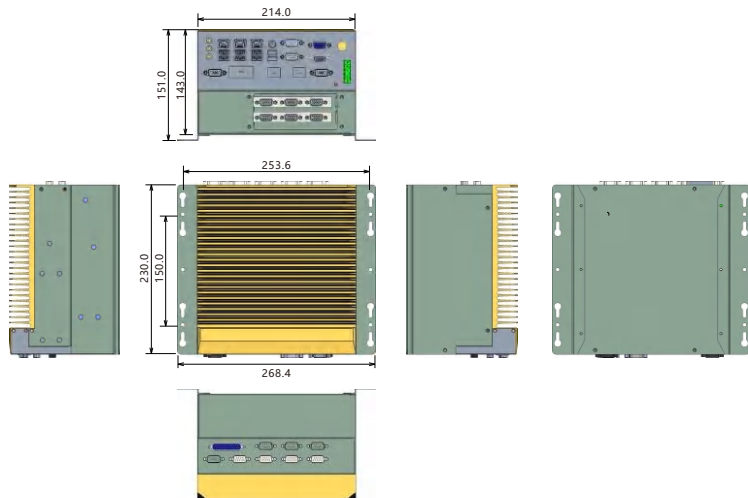
Front panel photo



Rear window photo

Model	KTB-7700F-2P12C
Chassis color	Dark blue (color can be freely customized)
Chassis material	High quality aluminum alloy+ sheet metal structure
Processor	Support 6/7/8/9th Gen LGA1151 Intel i3/i5/i7 desktop processors
Chipset	Intel Q170/H110
Memory	2 x DDR4 2133/2400/2666MHz SODIMM slots, up to 64GB
Storage	Support 1 MSATA slot, 2 2.5-inch hard drive slots
Display interface	Support VGA + HDMI display interface (supports synchronous/asynchronous dual display)
USB	Q170: 8*USB3.0/H110: 4*USB3.0, 4*USB2.0
COM	12 COM ports (COM1, 2 optional RS232/422/485)
Network	5 Intel 10/100/1000Mb adaptive network cards Adopt Intel i219V+4个RTL8111H network card chips
Audio	Support 1x Line-out, 1x Line-In, 1x Mic-In
Keyboard mouse	1 PS/2 interface
GPIO	16-bit GPIO: 8-bit GPI, 8-bit GPO; with optocoupler isolation
MINI PCIE	1 MINI PCIE slot (optional WIFI/3G/4G) with SIM card holder 1 MINI PCIE slot (supports MSATA) with SIM card holder
LPT	1 LPT interface
Expansion slots	2 PCI slot, maximum supported length: 175 mm
One-click restore	Supports one-click system restore function
Other functions	Power-on, scheduled startup, network wake-up, PXE startup, watchdog (level 0 to 255)
Power supply	DC 9 to 36V wide voltage input, supports positive and negative pole reverse protection
Working temperature	0°C to +60°C (commercial HDD), -20°C to +60°C (industrial SSD)
Storage temperature	-40°C ~ 85°C
Working humidity	-5% to 95% non-condensing state
Product Size	214mm x 230mm x 143mm (WxDxH) [without wall mount]
Total Weight	4.8 kg [without wall mount]
Installation method	Embedded/Desktop/Wall Mount
Operating system	Win7、win8、win10、Linux

Dimensions



Unit: mm[inch]