

Compact Fanless System

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



KTB-7700

Compact Fanless System

Based on the Intel Q170/H110 chipset

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

The KTB-7700 is a high-performance industrial computer featuring wide temperature and voltage ranges, with internal wireless connectivity offering stable and reliable performance.

Based on the Intel Q170/H110 chipset, it supports 6th/7th/8th/9th Gen LGA1151 Intel i3/i5/i7 processors; it offers 2 DDR4 SO-DIMM memory slots with a maximum capacity of 64GB, a MSATA slot, and supports 2.5-inch hard drive bays. The device boasts a wealth of I/O interfaces, including VGA+HDMI display connectors, 8 USB ports, 3 100/1000M Intel network interfaces, and 6 serial ports with audio input and output capabilities, as well as PS/2 interfaces. It supports a wide voltage input range of DC 9 to 36V, offering protection against reverse polarity connections.

The KTB-7700 can be installed in various ways, including embedded, wall-mounted, and desktop configurations, making it versatile for applications in road transportation, rail transit, automation control, smart factories, display control, mechanical equipment, and 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 i3/5/7 processors
- Support 2x DDR4 SODIMM slots, up to 64 GB memory
- Support VGA+HDMI display interface, 3 1000M network ports
- Support 1 MSATA slot, 2 2.5-inch hard drive slots
- 6 COM (2 RS232/422/485), 8 USB
- Support DC 9 to 36V wide voltage input, supports positive and negative pole reverse protection



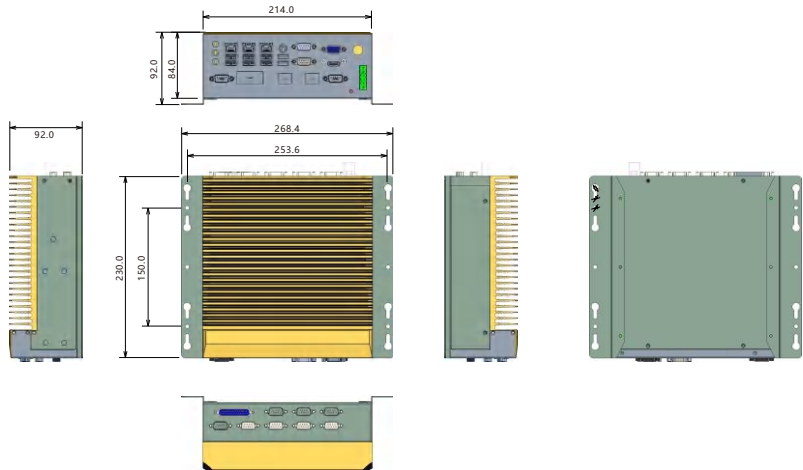
Front panel photo



Rear window photo

Model	KTB-7700
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	2x DDR4 2133/2400/2666MHz SODIMM slots, up to 64GB
Storage	Support 1 MSATA slot, 2 2.5-inch hard drive slots (Support for RAID 0/1) , The H110 chipset does not support RAID 0/1
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	6 COM ports (COM1, 2 optional RS232/422/485)
Network	3 Intel 10/100/1000Mb adaptive network cards Adopt Intel i210 network card chips
Audio	Support 1x Line-out, 1x Line-In, 1x Mic-In
Keyboard mouse	1 PS/2 interface
GPIO	----
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	----
Expansion slots	----
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 184mm (WxDxH) [without wall mount]
Total Weight	4.5 kg [without wall mount]
Installation method	Embedded/Desktop/Wall Mount
Operating system	Win7, win8, win10 , Linux

Dimensions



Unit: mm[inch]