

Embedded Fanless Industrial PC

Supports Intel 6/7/8/9th generation Core desktop processors



KTB-7700F-P



KTB-7700F-2P(PE)



KTB-7700

Compact fanless system

Based on Intel Q170/H110 chipset

Supports 6/7/8/9th Gen Intel Core i3/i5/i7 CPU

Product Features:

- High-performance wide temperature and wide voltage industrial PC with fanless design
- Based on Intel Q170/H110 chipset
- Supports 6th/7th/8th/9th Gen 1151 Intel i3/i5/i7 processors
- Supports 2x DDR4 SODIMM slots, with a maximum memory capacity of 64GB
- Supports VGA + HDMI display interfaces, 5x 1000M Intel Ethernet ports
- Supports 1x mSATA slot, 2x 2.5-inch hard drive bays
- 12x COM ports (2x RS232/422/485), 8x USB ports
- Supports DC 9~36V wide voltage input, with reverse polarity protection

Fanless embedded industrial PC based on Q170/H110 chipset

Model	KTB-7700		KTB-7700F-P	KTB-7700F-2P (PE)
OEM&ODM	Supports customization			
Color	Deep blue			
Material	High-quality aluminum alloy + sheet metal structure			
Processor	Supports 6th/7th/8th/9th Gen LGA1151 Intel i3/i5/i7 desktop processors			
Chipset	Intel Q170/H110			
Memory	2x DDR4 2133/2400/2666MHz SO-DIMM slots, supporting up to 64GB			
Storage	Supports 1x mSATA slot, 2x 2.5-inch hard drive bays (supports			
Display	Supports VGA + HDMI display interfaces (supports synchronous/asynchronous dual display)			
Network port	Optional 3~5*Intel 10/100/1000Mb adaptive network card, using Intel i210 network card chip		5*Intel 10/100/1000Mb adaptive network card Uses Intel i210 network card chip	
Serial port	Optional 2~12*COM (COM1, 2 optional RS232/422/485)		Optional 4~12*COM ports (COM1, 2 can be selected as RS232/422/485)	
USB	Optional Q170: 8x USB 3.0 or H110: 4x USB 3.0, 4x USB 2.0			
Front I/O	Optional: 3~5*Intel 10/100/1000Mb adaptive network cards, using Intel i210 network card chips; 8*USB3.0 (Q170); 4*USB3.0, 4*USB2.0 (H110); 2~4x COM (COM1, 2 can be selected as RS232/422/485); 16x GPIO (8-bit GPI, 8-bit GPO; with optocoupler isolation); 1x VGA + 1x HDMI (supports synchronous/asynchronous dual display), 1x Switch, 1x 9~36V DC IN, 1x PS/2, 1*Line-out, 1*Line-in, 1*Mic-in		1x Line-out, 1x Line-in, 1x Mic-in 5x Intel 10/100/1000Mb adaptive network cards, using Intel i210 network card chips Optional: 8x USB 3.0 (Q170) / 4x USB 3.0, 4x USB 2.0 (H110) 4x COM ports (COM1 and COM2 support RS232/422/485) 16x GPIO (8-bit GPI, 8-bit GPO; with optocoupler isolation) 1x VGA + 1x HDMI (supports synchronous/asynchronous dual display) 1x Switch, 1x 9-36V DC IN, 1x PS/2	
Rear I/O	2x Wi-Fi antennas Optional: 0~8x COM ports Optional: 1x LPT printer interface			
MINI PCIE	1x Mini PCIe slot (optional Wi-Fi/3G/4G), with SIM card slot 1x Mini PCIe slot (supports mSATA), with SIM card slot			
Expansion interface	/		1*PCIE X16 / 1*PCI Supports maximum length: 175 mm	2*PCIE X16 / 2*PCI /1*PCIE+1*PCI Supports maximum length: 175 mm
Other	Supports system one-click restore function, power-on boot, scheduled boot, network wake-up, PXE boot, and supports watchdog (0~255 levels)			
Environment	Operating temperature: 0°C to +60°C (commercial HDD), -20°C to +60°C (industrial SSD) Storage temperature: -40°C to 85°C, Operating Humidity: -5% to 95% RH (non-condensing)			
Installation method	Embedded/Wall-mounted/Desktop			
Powersupply	DC 9V to 36V wide-voltage input, with reverse polarity protection			
OS	Windows 7, Windows 8, Windows 10, Linux			
Heat dissipation	Aluminum-magnesium alloy heat sink cover for thermal conduction			
Weight	4.5KG		4.6 kg	4.8 kg
Dimensions	214*230*84mm (WxDxH), excluding wall mount bracket		214 x 230 x 121 mm (W x D x H), excluding wall mount bracket	214 x 230 x 143 mm (W x D x H), excluding wall mount bracket

Ordering Information	Configuration (CPU can be selected according to customer requirements)
KTB-7700	I5-7500/8G/128GBSSD/1T/1*VGA/1*HDMI/4*COM/4*USB3.0/4*USB2.0/5*LAN/GPIO
KTB-7700-T4C	I3-6100T/8G/128GSSD/1T/1*VGA/1*HDMI/4*COM/4*USB3.0/4*USB2.0/5*LAN/GPIO
KTB-7700-T12C	I5-8500T/16G/128GSSD/1T/1*VGA/1*HDMI/12*COM/4*USB3.0/4*USB2.0/5*LAN/GPIO
KTB-7700F-P12C	I5-6500T/8G/256GSSD/1T/1*VGA/1*HDMI/12*COM/4*USB3.0/4*USB2.0/5*LAN/1*PCI/GPIO/1*LPT
KTB-7700F-2P12C	I7-6700T/8G/512GSSD/1T/1*VGA/1*HDMI/12*COM/4*USB3.0/4*USB2.0/5*LAN/2*PCI/GPIO/1*LPT
KTB-7700F-PE4C	I7-8700T/16G/256GSSD/1T/1*VGA/1*HDMI/4*COM/4*USB3.0/4*USB2.0/5*LAN/1*PCIE X16/1*PCI /GPIO/1*LPT
KTB-7700F-PE6C	I7-9700T/16G/512GSSD/1T/1*VGA/1*HDMI/6*COM/4*USB3.0/4*USB2.0/5*LAN/1*PCIE X16/1*PCI/GPIO/1*LPT
KTB-7700F-PE12C	I7-9700T/16G/512GSSD/1T/1*VGA/1*HDMI/12*COM/4*USB3.0/4*USB2.0/5*LAN/1*PCIE X16/1*PCI/GPIO/1*LPT