

# 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/i5/i7 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



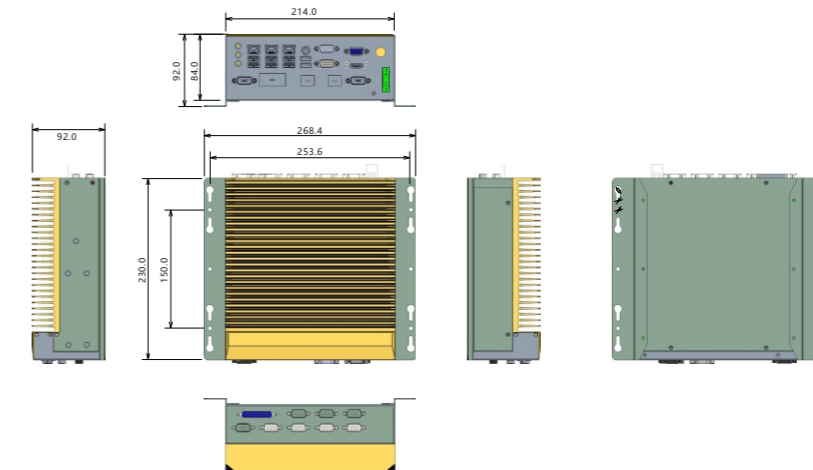
Front panel photo



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]

# 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

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*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

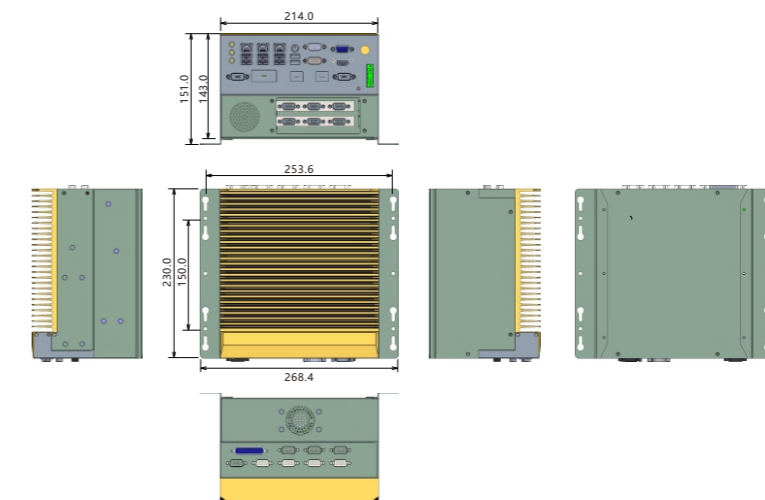


Front panel photo



Rear window photo

### Dimensions



Unit: mm[inch]

# Compact Fanless System

Supports Intel's 6th/7th/8th/9th Generation Core Desktop Processors



## KTB-7700F

### Compact Fanless System

Based on the H110 chipset

Supports Intel's 6th/7th/8th/9th Gen Core Desktop Processors

KTB-7700F is a high-performance industrial computer with wide temperature/voltage support, built-in wireless connectivity and reliable performance.

Based on Intel H110 chipset, it supports 6th-9th Gen LGA1151 Intel i3/i5/i7 processors, 2\*DDR4 SO-DIMM slots (max 64GB), 1\*mSATA slot and 2.5-inch drive bay.

Rich I/O includes VGA+HDMI, 4\*USB3.0, 4\*USB2.0, 5\*Intel Gigabit Ethernet ports, up to 12 serial ports, audio I/O and PS/2.

Features DC 9-36V wide voltage input with reverse polarity protection.

Supports embedded, wall-mounted and desktop installation, widely used in road/rail transit, automation, smart factories, display control, machinery and other scenarios.

## Fanless Embedded Industrial PC Based on H110 Chipset

### Product Features:

- High-performance, wide-temp/voltage industrial PC, fanless, internal wireless, stable & reliable
- Intel H110 chipset, supports 6th - 9th Gen LGA1151 Intel i3/i5/i7
- 2\*DDR4 SODIMM slots, max 64GB RAM
- VGA + HDMI, 5\*1000M Intel LAN ports
- 1\*mSATA, 2\*2.5" drive bays
- 12\*COM (2\*RS232/422/485), 8\*USB 3.0
- DC 9-36V wide voltage input, reverse polarity protection



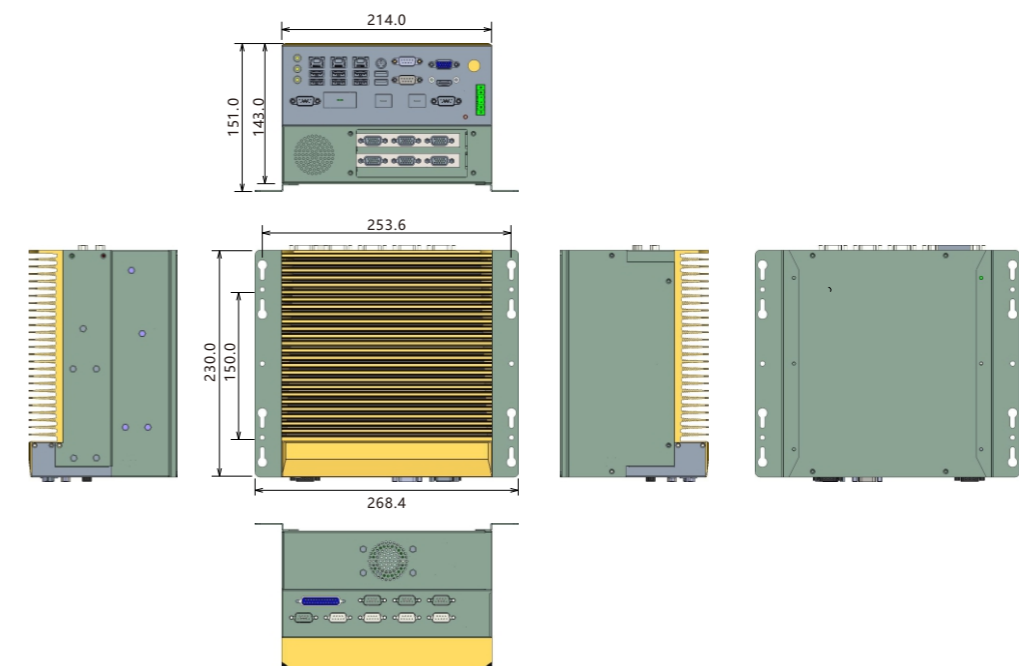
Front window photo



Rear window photo

Model	KTB-7700F
Chassis Color	Dark blue (Color can be customized freely)
Material	High-quality aluminum alloy + sheet metal structure
Processor	Supports 6th/7th/8th/9th Gen LGA1151 Intel i3/i5/i7 desktop processors
Chipset	Intel H110
Memory	2*DDR4 2133/2400/2666MHz SODIMM slots, up to 64GB
Storage	Supports 1*mSATA slot, 2*2.5-inch hard drive bays (Supports RAID0/1)
Display Interfaces	Supports VGA + HDMI display interfaces (Supports synchronous/asynchronous dual display)
USB	4*USB3.0, 4*USB2.0
COM	12*COM (COM1, 2 can be RS232/422/485)
Network Cards	5*Intel 10/100/1000Mb adaptive network cards, using Intel 219V + Intel 211 network card chips
Audio	Supports 1*Line-out, 1*Line-in, 1*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 socket 1*MINI PCIE slot (Supports mSATA/3G/4G), with SIM card socket
Expansion Slot	1*PCI slot
One-key Restore	Supports system one-key restore function
Other Functions	Power-on self-test, scheduled startup, network wake-up, PXE boot, watchdog (0~255 levels)
Power Supply	DC 9-36V wide voltage input, supports positive and negative reverse connection protection
Temperature	Operating: 0°C ~ +60°C (for commercial HDD), -20°C ~ +60°C (for industrial SSD), Storage: -40°C ~ 85°C
Humidity	Operating: -5% ~ 95% non-condensing state
Dimensions	214mm x 230mm x 143mm (WxDxH) [Excluding mounting bracket]
Overall Weight	4.2 kg [Excluding mounting bracket]
Installation Methods	Embedded/desktop/wall-mounted installation
Operating Systems	Win7, win8, win10, Linux

### Dimensions



Unit: mm[inch]

# Compact Fanless System

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



## KTB-7700F-PE4C

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-PE4C 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, 5 100/1000M Intel network interfaces, and 4 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/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
- 4COM (2 RS232/422/485), 8 USB
- Support DC 9 to 36V wide voltage input, supports positive and negative pole reverse protection



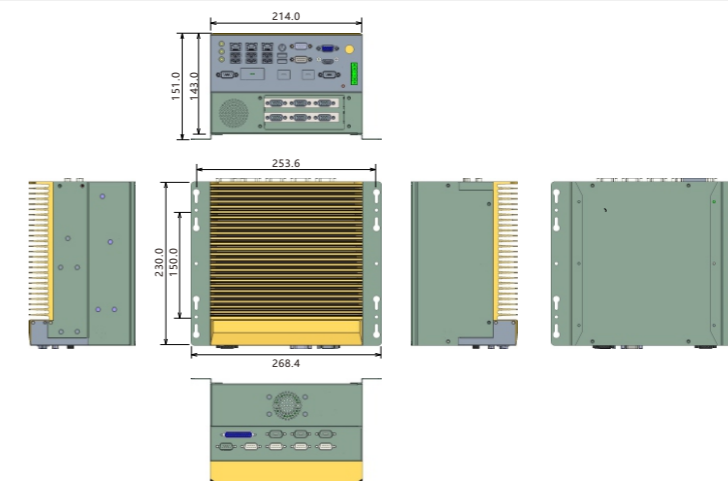
Front panel photo



Rear window photo

Model	KTB-7700F-PE4C
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 (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	4 COM ports (COM1, 2 optional RS232/422/485)
Network	5 Intel 10/100/1000Mb adaptive network cards Adopt Intel i219V+4↑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	----
Expansion slots	1 PCIE X16 slot + 1 PCI slot, Maximum length supported: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]

# Compact Fanless System

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



## KTB-7700F-PE6C

Compact Fanless System

Based on the Intel Q170/H110 chipset

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

The KTB-7700F-PE6C 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, 5 100/1000M 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/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
- 6COM (2 RS232/422/485), 8 USB
- Support DC 9 to 36V wide voltage input, supports positive and negative pole reverse protection



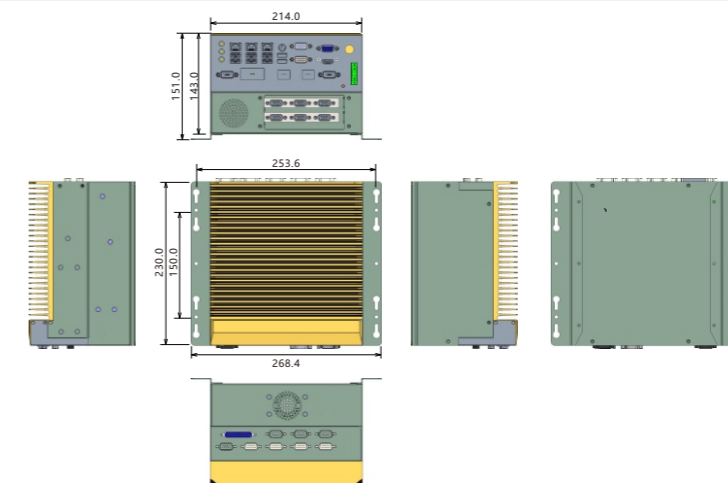
Front panel photo



Rear window photo

Model	KTB-7700F-PE6C
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 (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	5 Intel 10/100/1000Mb adaptive network cards Adopt Intel i219V+4*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	----
Expansion slots	1 PCIE X16 slot + 1 PCI slot, Maximum length supported: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]

# Compact Fanless System

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



## KTB-7700F-PE12C

Compact Fanless System

Based on the Intel Q170/H110 chipset

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

KTB-7700F-PE12C 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 H110/Q170 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



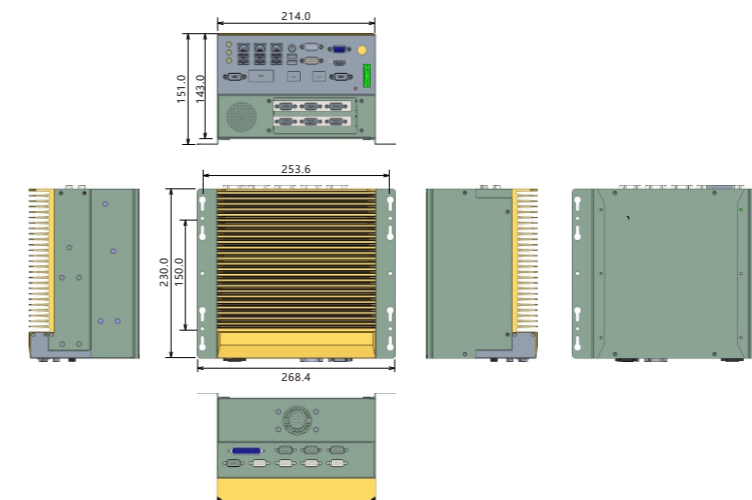
Front panel photo



Rear window photo

Model	KTB-7700F-PE12C
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*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	1 PCIE X16 slot+1 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]

# Compact Fanless System

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



## KTB-7700-T4C

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-T4C 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, 5 100/1000M Intel network interfaces, and 4 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/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
- 4 COM (2 RS232/422/485), 8 USB
- Support DC 9 to 36V wide voltage input, supports positive and negative pole reverse protection



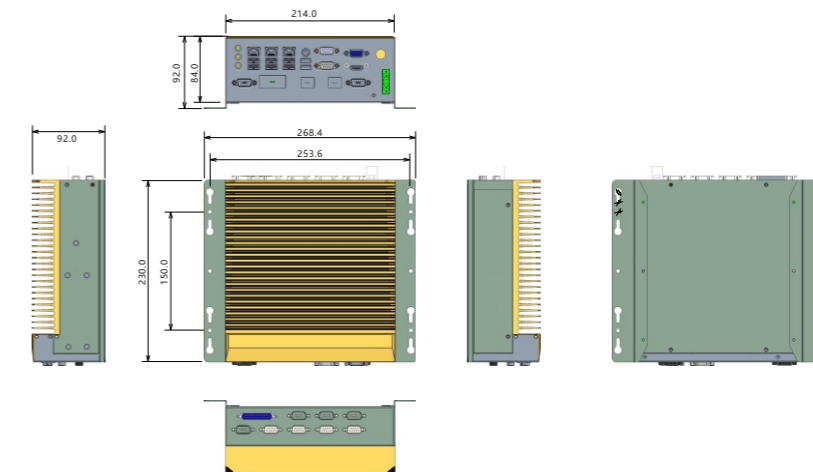
Front panel photo



Rear window photo

Model	KTB-7700-T4C
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 (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	4 COM ports (COM1, 2 optional RS232/422/485)
Network	5 Intel 10/100/1000Mb adaptive network cards Adopt Intel i219V+4*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	----
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 84mm (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]

# Compact Fanless System

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



## KTB-7700-T12C

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-T12C 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, 5 100/1000M Intel network interfaces, and 12 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/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\*3.0
- Support DC 9 to 36V wide voltage input, supports positive and negative pole reverse protection



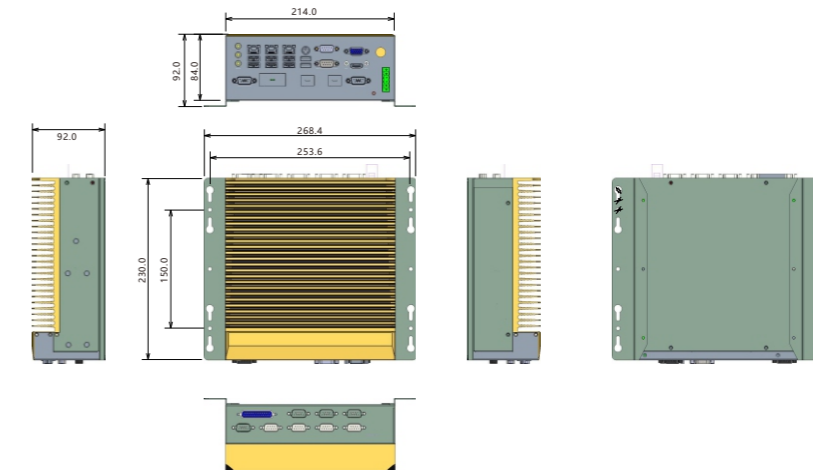
Front panel photo



Rear window photo

Model	KTB-7700-T12C
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 (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	12 COM ports (COM1, 2 optional RS232/422/485)
Network	5 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	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	---
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 84mm (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]