

ABOX-E7DS

High performance Industrial Box Computer

Intel 6/7th I7/I5/I3 Desktop multi-core processors, with PCIe and MXM expansion

Specification

V2.0

Key features:

- ◆ Support Intel® 6/7th Core™ i7/i5/i3 Desktop processors;
- ◆ Q170 industrial chipset;
- ◆ 2x DDR4 SO-DIMM, max. up to 32GB, dual channel support;
- ◆ 3x Display interface;
- ◆ Max. expansion up to 10 USB ports;
- ◆ Max. expansion up to 6 Intel RJ45 ports;
- ◆ Max. expansion up to 8 serial ports;
- ◆ 3x Disk storage support, 2x PCIe slot support;
- ◆ Optional power solution (DC 9~36V wide voltage optional)

Product Image



Specification parameter

System		
Processor	CPU	Intel® 6/7th Core™ i3/i5/i7 Desktop LGA1151 CPU, TDP=65W (PWM intelligent fan active heat dissipation)
	Chipset	Intel® Q170 Chipset
	BIOS	AMI SPI 64Mb, support ACPI, CPU temperature, system voltage monitoring
Memory	Interface	2 x DDR4 SO-DIMM, @1.2V, 1866/2133/2400/2666 MHz
	Capacity	Max. single RAM up to 16G, dual channels, expansion up to 32GB
Storage	Interface	1 x 2.5" HDD, support 5~9.5mm, hot pluggable
		1 x 2.5" HDD, support 5~9.5mm, internal
		1 x M.2 SATA 3.0 (22*42mm), Internal
Display	Chipset	CPU Integrated Intel® HD Graphics, support DirectX12
	Ports	1 x DP (Max. support resolution: 4096x2304 x24bpp, @ 60Hz)
		1 x DVI-D (Max. support resolution: 1920x1200, @30Hz)
Network	Wireless	1 x VGA (Max. support resolution: 2048x1536)
		2 x Intel® Ethernet Connection; LAN1: I210-AT, LAN2: I219-LM, support WOL
		1 x Mini-PCIE (Half/Full, support 802.11 b/g/n, 3G/4G Optional)
AUDIO	Ports	1 x SIM slot
		Chipset
		Realtek ALC662VD
I/O	COM	1 x Mic-in + 1 x Audio-out
		USB
		6 x USB 3.0
Expansion I/O	COM	4 x DB9 RS232 (COM1/COM2 support RS485/RS422/RS232, BIOS controllable)
	Front signal	N/A
	Watchdog	1 x Internal USB 2.0 (optional)
	COM	2 x 9pin COM pin-header (S232)
	GPIO	8 x GPIO (4 in 4 out, DI low level, DO high level, DI/DO BIOS configurable, Optional)
		8 x GPIO (4 in 4 out, photoelectric isolated, 5V~40V wide voltage input, OMRON relay output, DB25, optional)
Power	Ports	1 x MXM 3.0 (support 4x GigE)
		1 x PCIe 3.0 16x + 1 x PCIe 3.0 4x
		1 x PCIe 3.0 16x + 1 x PCI (one out of two twice, support half/full, half-length card, length ≤185mm)
LED/Switch	Type	DC
	Input	1 x 4pin 5.08 phoenix terminal, with hole lock
	Power on	DC 18~36v, max. power consumption up to 240W
Watchdog	Reset	1 x power on button (Including status LED light)
	Reset	1 x reset/reboot button (Long press>3s when power off, clear CMOS; press 0.2~1s when power on)
OS	version	6th Core™: Windows 7/8.1/10 32 bits/64 bits, Linux
RAID	Mode	7th Core™: Windows 7/8.1/10 64 bits, Linux
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Structure

Treatment Hard anodizing treatment, scratch resistant

Color Iron grey, industrial grey color

Cooling PWM intelligent fan active heat dissipation

Weight 4.65kg

Dimension 268mm(L) x 194.2mm(W) x 118.5mm(H)

Mounting Desktop, wall mount, VESA mount

Fan 2x 4010 temperature controlled fan

Environmental

Operating temp.: -20~60°C (industrial SSD);
temp. Operating temp.:0~40°C (commercial HDD)

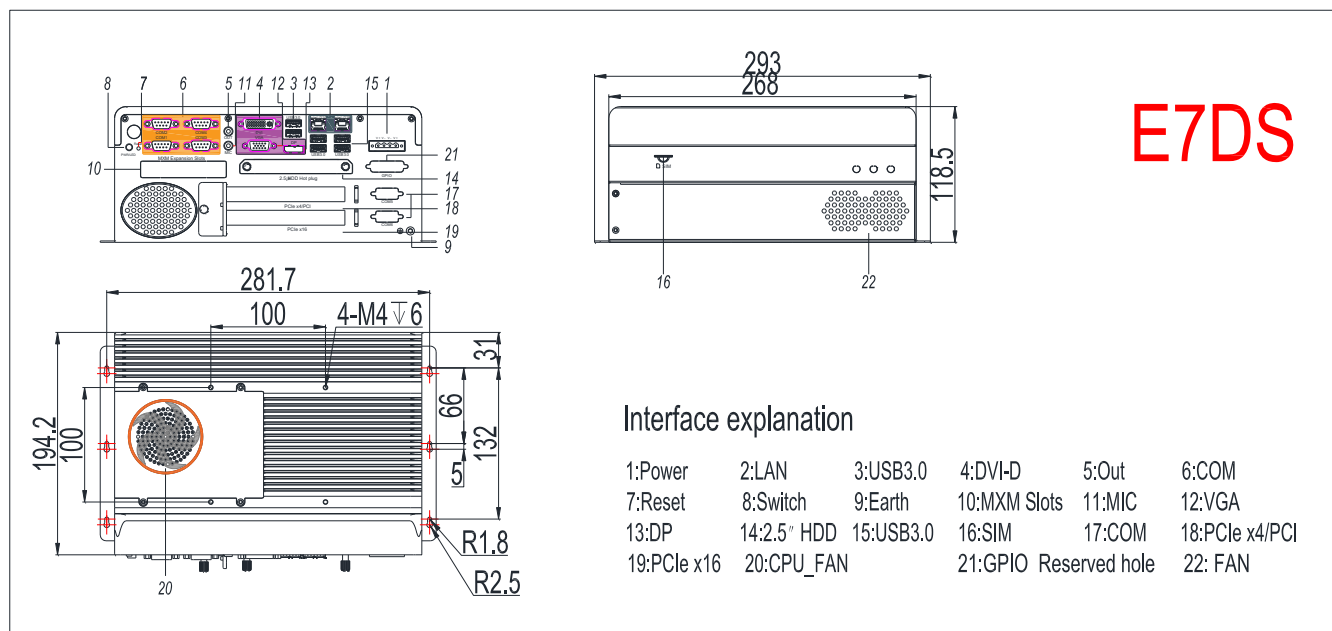
Storage -40~80°C

Humidity 10%~90%@40°C (non-condensation)

Vibration SSD : 3Grms@5~500Hz , random , 1 hr/axis ;
2.5" HDD : 1Grms@5~500Hz , random , 1 hr/axis

Shock 10G/peak (11ms/sec)

Interface and Dimension





*TAICENN, is a leading global **solution provider** of Embedded Box IPC, Touch panel IPC and industrial monitor, which are designed specifically for systems and applications that require excellent performance, high-level reliability and stability, long supply period and supports.*

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