

ABOX-E8

High performance fanless box computer

Intel 6th Skylake/ 7th Kabylake Celeron, Core i3/i5 processors, with MXM expansion

Specification

V1.0

Key features:

- ◆ Support Intel® 6th /7th Celeron, Core™ i5/i3 CPU processors;
- ◆ 14nm SoC;
- ◆ 1x DDR SO-DIMM , Max. up to 8GB;
- ◆ 2x Display ports;
- ◆ 6x USB ports;
- ◆ Max. expansion up to 6x Intel RJ45 port;
- ◆ Max. expansion up to 4x COM ports;
- ◆ 2x Mini-PCIe expansion support;
- ◆ Wide voltage DC 12~28v power input.

Product Image

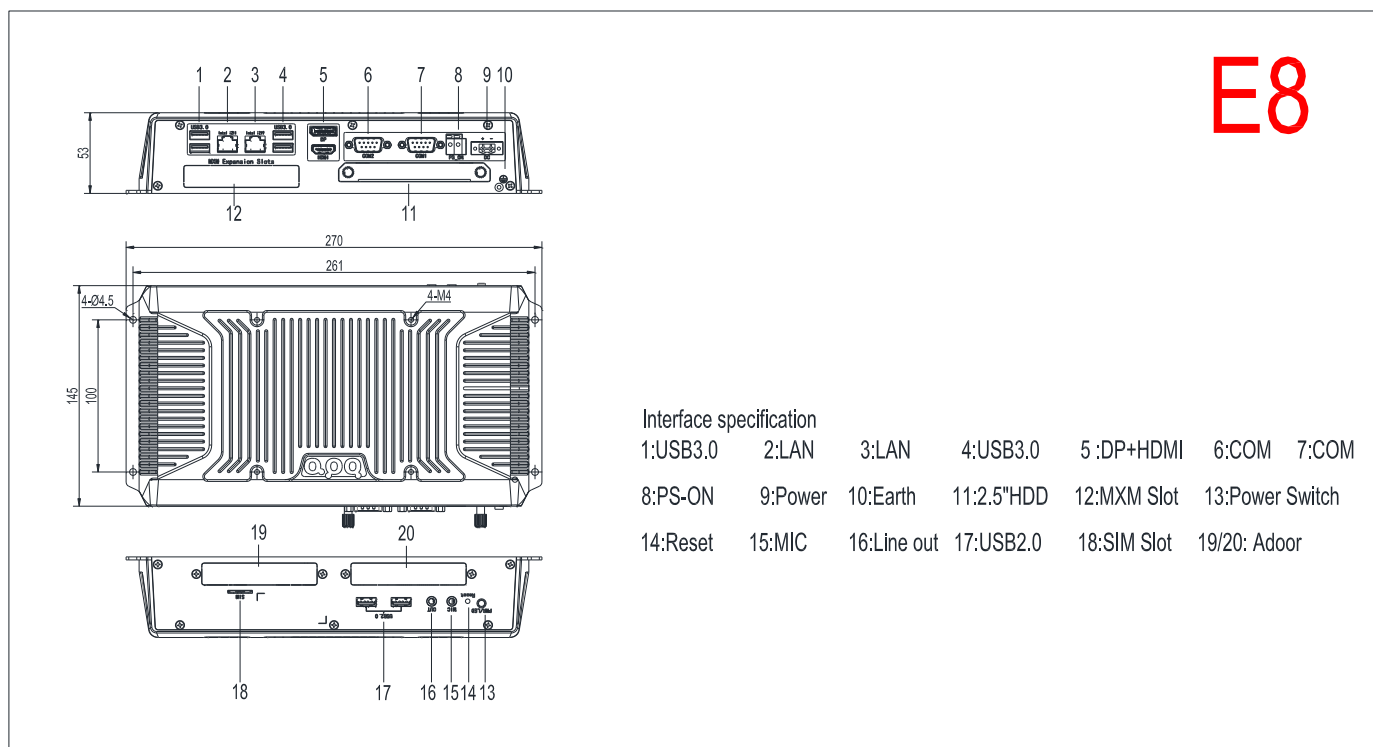


Specification parameter

System		
Processor	CPU	Intel® 6/7 th Core™ Celeron /i3/i5 CPU, TDP=15W (fan-less)
	Chipset	14nm SoC
	BIOS	AMI EFI BIOS, support ACPI, CPU temperature, system voltage monitoring
Memory	Interface	1 x DDR4 SO-DIMM, @1.35V, DDR3L-1600MhZ
	Capacity	Max. single RAM up to 8G
Storage	Interface	1 x 2.5" Hard disk, support 5~9.5mm, hot pluggable
		1 x mSATA
Display	Chipset	CPU integrated Intel® HD Graphics
	Ports	1 x DP (Max. support resolution: 4096x2304 x24bpp, @ 60Hz)
		1 x DVI-D (Max. support resolution: 1920x1200, @ 30Hz)
Network	Chip	2 x Intel® Ethernet Connection; LAN1: I211-AT, LAN2: I219LM, support WOL and jumbo frame
	Wireless	1 x Mini-PCIE (Half/ full, support 802.11b/g/n, 3G/4G, optional)
		1x Mini-PCIE (Half/full, support 3G/4G, optional)
		1 x SIM slot
Audio	Chips	Realtek ALC662VD
	Port	1 x Mic-in + 1 x Audio-out
I/O	USB	6 x USB (4x USB3.0 + 2x USB2.0)
	COM	2 x DB9 (support RS485/RS232)
Expansion I/O	PCIe	1x MXM 3.0 (Support 4x GbE Lan module, optional)
	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	Type	DC
	Port	1 x 2pin 5.08 phoenix terminal, with hole lock
	Input	Default 12~28V wide voltage power input (Default with 12V adapter)
LED/Switch	Power on	1 x power on button (including status LED light) 1x external switch signal interface
	Reset	1 x reset/restart button (Long press ≥3s when power of, clear CMOS; press 0.2~1s reset when power on)
Watchdog		Programmable 255 seconds
OS	version	Windows 7/8.1/10, Linux
Structure		
Treatment	Spraying process	
Color	Iron grey color	
Cooling	Fan-less design	
Weight	<2.1 kg	

Dimension	270mm(L) x 145mm(W) x 53mm(H)
Mounting	Desktop, wall mount, VESA mount (100 x 100mm)
Environmental	
Operation temp.	Operating temp.: -20~60°C (Industrial SSD)
Storage	-40~80°C
Humidity	10%~90%@40°C (non-condensation)
Vibration	SSD : 3Grms@5~500Hz , random , 1 hr/axis ;
Shock	10G/peak (11ms sec)

Interface and Dimension



Ordering Information:

ABOX-E860	Intel Celeron 3855U/1*HDMI/1*DP/2*RJ45/6*USB/2*RS232/DC 12~28V/Mic In/Line-Out
ABOX-E861	Intel Skylake i3-6100/1*HDMI/1*DP/2*RJ45/6*USB/2*RS232/DC 12~28V/Mic In/Line-Out
ABOX-E862	Intel Skylake i5-6200/1*HDMI/1*DP/2*RJ45/6*USB/2*RS232/DC 12~28V/Mic In/Line-Out
ABOX-E871	Intel Kaby lake i3-7100/1*HDMI/1*DP/2*RJ45/6*USB/2*RS232/DC 12~28V/Mic In/Line-Out
ABOX-E872	Intel Kaby lake i5-7200/1*HDMI/1*DP/2*RJ45/6*USB/2*RS232/DC 12~28V/Mic In/Line-Out
Memory	DDR3L 4G/8G/16G
Storage	SSD: 32GB/64GB/128GB/256GB/512GB/1TB HDD: 500GB/1TB
Wireless module	Wifi: 802.11b/g/n Mini PCIe 150M 3G/4G: All network 4G module



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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