

# ABOX-E81

## *High performance fanless box computer*

*Intel 6<sup>th</sup> Skylake/ 7<sup>th</sup> Kabylake –U processors, with PCIe x4/PCI expansion*

### Specification

#### V2.0

#### Key features:

- ◆ Support Intel® 6<sup>th</sup> /7<sup>th</sup> Celeron, Core™ i5/i3 CPU processors;
- ◆ 14nm SoC;
- ◆ 1x DDR4L, Max. up to 16GB;
- ◆ 2x Display ports; 4x COM ports;
- ◆ 4x USB3.0 ports, 2x Intel RJ45 port;
- ◆ Max. expansion up to 4x COM ports;
- ◆ 2x Mini-PCIe expansion support;
- ◆ Support PCIe x4 or PCI expansion;
- ◆ Wide voltage DC 12~28v power input.

#### Product Image

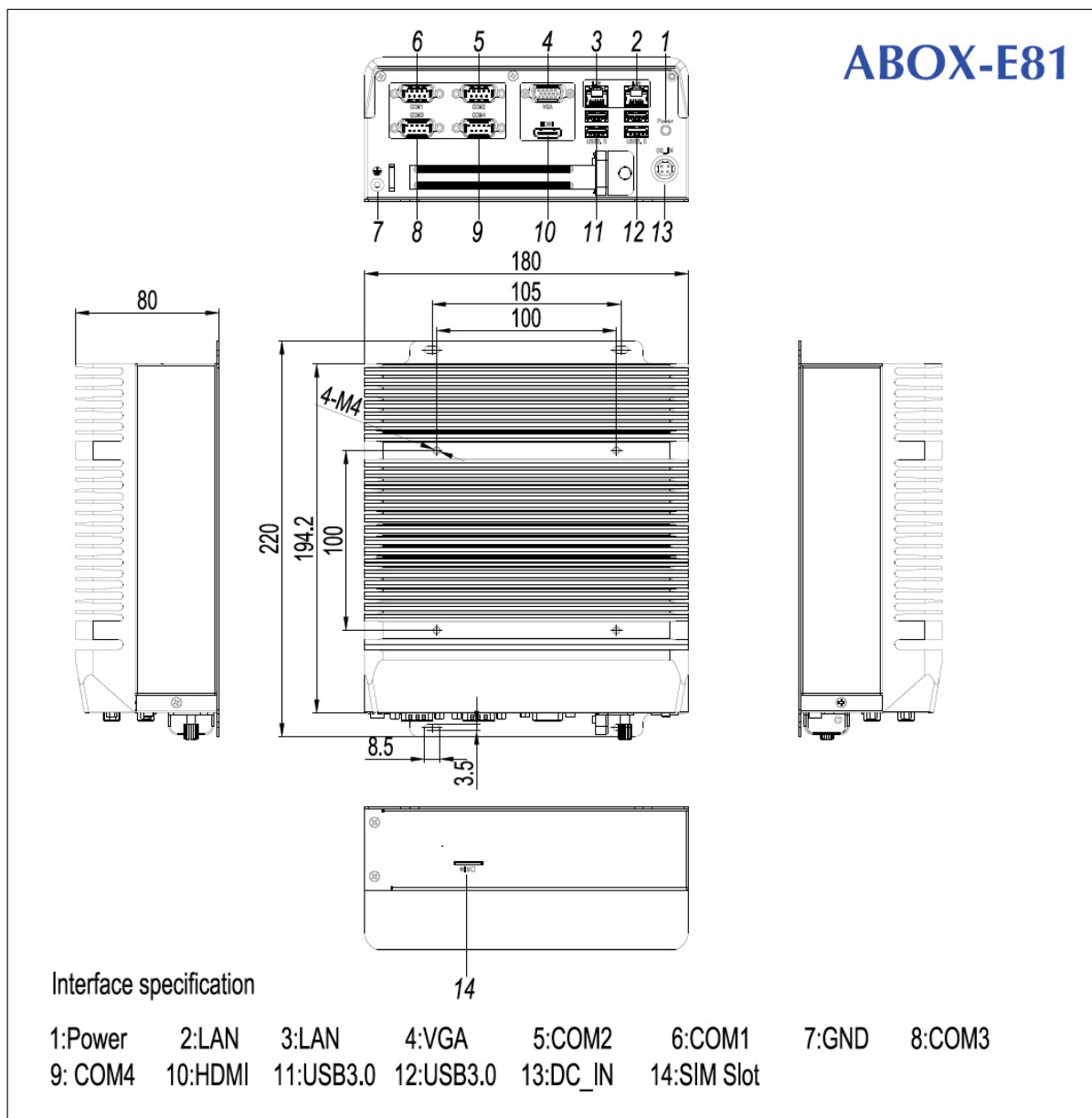


## Specification parameter

System		
<b>Processor</b>	CPU	Intel 6/7- Core™ Celeron /i3/i5 CPU, TDP=15W (fan-less)
	Chipset	14nm SoC
	BIOS	AMI EFI BIOS, support ACPI, CPU temperature, system voltage monitoring
<b>Memory</b>	Interface	1 x DDR4L
	Capacity	Max. single RAM up to 16G
<b>Storage</b>	Interface	1 x mSATA
<b>Display</b>	Chipset	CPU integrated Intel® HD Graphics
	Ports	1 x VGA (Max. support resolution: 2048 x 1536, @ 60Hz) 1 x HDMI (Max. support resolution: 4096 x 2304, @ 24Hz)
<b>Network</b>	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
<b>I/O</b>	USB	4 x USB3.0
	COM	2 x DB9 (support RS485/RS232)
<b>Expansion I/O</b>	PCIe/PCI	1x PCIe x4 or 1x PCI expansion slot
<b>Power</b>	Type	DC
	Port	1 x 4 pin POWER DIN terminal
	Power consumption	< 60
	Input	Default 18~28V wide voltage power input (Default with 19V adapter)
<b>LED/Switch</b>	Power on	1 x power on button ( including status LED light )
	Reset	1 x reset/restart button (Long press ≥3s when power of, clear CMOS; press 0.2~1s reset when power on)
<b>Watchdog</b>		Programmable 255 seconds
<b>OS</b>	version	Windows 7/8.1/10, Linux
Structure		
Treatment	Hard anodic oxidation treatment + paint spray	
Color	Steel gray + Iron grey color	
Cooling	Fan-less design	
Weight	<3.5 kg	
Dimension	180mm(L) x 194mm(W) x 80mm(H)	

Mounting	Desktop, wall mount, VESA mount (100 x 100mm)
<b>Environmental</b>	
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-E8160	Intel Celeron 3855U/1*HDMI/1*DP/2*RJ45/6*USB/2*RS232/DC 12~28V/Mic In/Line-Out
ABOX-E8161	Intel Skylake i3-6100/1*HDMI/1*DP/2*RJ45/6*USB/2*RS232/DC 12~28V/Mic In/Line-Out
ABOX-E8162	Intel Skylake i5-6200/1*HDMI/1*DP/2*RJ45/6*USB/2*RS232/DC 12~28V/Mic In/Line-Out
ABOX-E8171	Intel Kaby lake i3-7100/1*HDMI/1*DP/2*RJ45/6*USB/2*RS232/DC 12~28V/Mic In/Line-Out
ABOX-E8172	Intel Kaby lake i5-7200/1*HDMI/1*DP/2*RJ45/6*USB/2*RS232/DC 12~28V/Mic In/Line-Out
Memory	DDR4L 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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