

ABOX-E800

High performance industrial fanless box computer

Intel 6th/7th/8th Celeron, Core i3/i5/i7 processors, with MXM expansion

Specification

V2.0

Key features:

- Intel® 6th/7th/8th Skylake/Kaby lake/Whiskey Lake Celeron, Core i3/i5/i7 low power processors;
- 2* Intel GLAN, optional support max. up to 6* GLAN;
- 2* RS232 ports, support RS485, optional support max. up to 4* RS232 ports;
- 2* Display ports: 1* HDMI, 1* DP;
- 1* DDR4 SO-DIMM, max. up to 16GB, 1* 2.5" SATA slot+ 1* M.2 slot storage;
- 4* USB3.0, 2* USB2.0, 2* Mini-PCIe expansion slots;
- DC 12~28v wide voltage power input.

Product Image

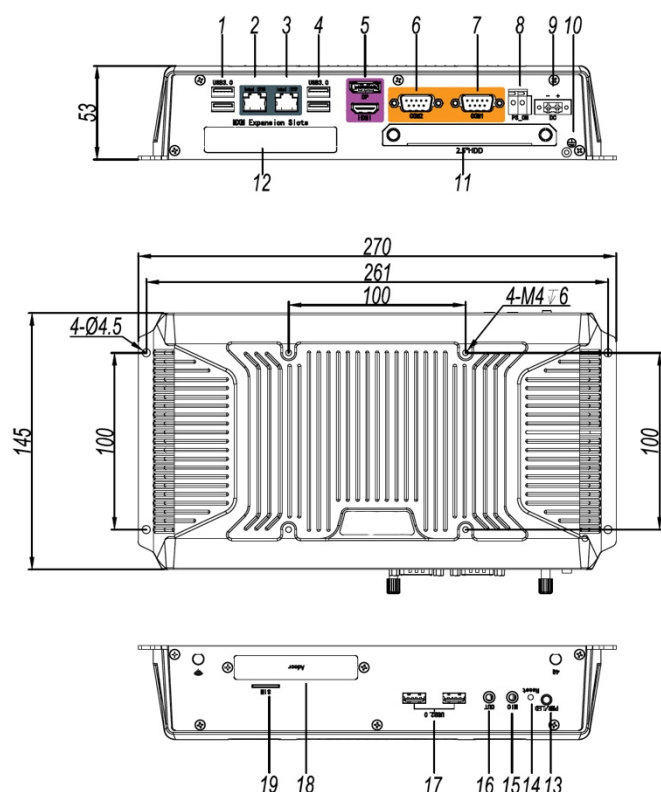


Technical Data

System	
Processor	Intel® 6 th /7 th /8 th Core™ Celeron /i3/i5/i7 CPU, TDP=15W (fan-less) 14nm SoC AMI EFI BIOS, support ACPI, CPU temperature, system voltage monitoring
Memory	1 x DDR4 SO-DIMM Max. single RAM up to 16G
Storage	1 x 2.5" Hard disk, support 5~9.5mm, hot pluggable 1 x M.2 (SATA3.0)
Display	CPU integrated Intel® HD Graphics 1 x DP (Max. support resolution: 4096x2304 x24bpp, @ 60Hz) 1 x HDMI (Max. support resolution: 4096x2304, @ 24Hz)
Network	2 x Intel® Ethernet Connection; LAN1: I211-AT, LAN2: I219LM, support WOL and jumbo frame 1x Mini-PCIE (full-size, Wi-Fi/BT, optional) 1x Mini-PCle (full, support 3G/4G, optional)
Audio	Realtek ALC662VD 1 x Mic-in + 1 x Audio-out
I/O	6 x USB (4x USB3.0 + 2x USB2.0) 2 x DB9 (support RS485/RS232)
Expansion I/O	1x MXM 3.0 (Support 4x GbE ports, or 16* GPIO isolated) 1* Standard aDoor expansion modules 8* GPIO
Power	DC 1 x 2pin 5.08 phoenix terminal, with hole lock Default 12~28V wide voltage power input (Default with 12V adapter)
LED/Switch	1 x power on button (including status LED light) 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	Windows 7/8.1/10, Linux
Structure	
Treatment	Spraying process
Color	Iron grey color
Cooling	Fan-less design
Weight	About 1.8 kg (Net)
Dimension	270mm(L) x 145mm(W) x 53mm(H)
Mounting	Desktop, wall mount, VESA mount (100 x 100mm)
Environmental	
Operation temp.	Operating temp.: -20°C ~60°C (Industrial SSD)
Storage temp.	Storage temp.: -40°C ~80°C
Humidity	10%~90%@40°C (non-condensation)
Vibration	SSD : 3Grms@5~500Hz , random , 1 hr/axis ;
Shock	10G/peak (11ms sec)

Dimension & Interface

ABOX-E800



Interface specification

1:USB3.0	2:LAN	3:LAN	4:USB3.0	5:DP+HDMI
6:COM	7:COM	8:PS-ON	9:DC IN	10:Earth
11:2.5"HDD	12:MXM Slot	13:Power	14:Reset	15:MIC
16:Line out	17:USB	18:Adoor	19:SIM	

Ordering Information

Part no.	Description
ABOX-E800-xxxx	Intel 6 th /7 th /8 th processors, 2*GLAN, 6*USB, 2*COM, 1*HDMI, 1*DP, DC 12~28V, PSU
Memory	DDR4L 4G/8G/16G
Storage	SSD: 32GB/64GB/128GB/256GB/512GB/1TB HDD: 1TB/2TB
Wireless expansion	Wifi: 802.11b/g/n Mini PCIe 150M 3G/4G: All network 4G module

XXXX: means CPU code

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