

# CYBOX-AE7L

## AI Edge vision computing Box PC

Intel 6<sup>th</sup>/7<sup>th</sup>/8<sup>th</sup>/9<sup>th</sup> Core i7/i5/i3 35W Desktop processors

### Specification

V3.0

#### Key features:

- Support Intel® 6<sup>th</sup>/7<sup>th</sup>/8<sup>th</sup>/9<sup>th</sup> Core™ i7/i5/i3 desktop multicore processors;
- Q170 (Alternative C236) industrial chipset;
- 2 DDR4 SO-DIMM, Dual channels, MAX. UP TO 32GB;
- 3 Display ports, support 3 hard disks storage;
- Max. expansion up to 10 USB ports;
- Max. expansion up to 6 Intel RJ45 ports;
- Max. expansion up to 6 COM ports;
- Support wide voltage DC 9V ~ 36V power input.

#### Product Image

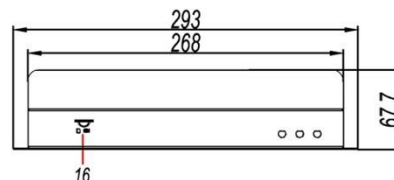
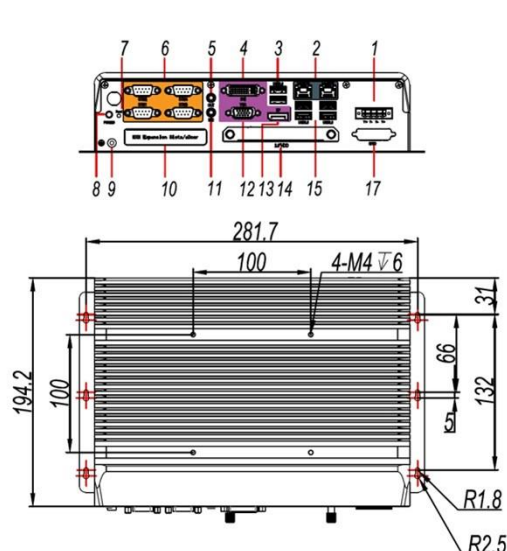


## Technical Data

System	
CPU	Intel® 6 <sup>th</sup> /7 <sup>th</sup> /8 <sup>th</sup> /9 <sup>th</sup> Core™ i3/i5/i7 Desktop LGA1151 CPU, TDP=35W (fan-less)
Chipset	Intel® Q170 Chipset (Alternative C236 chipset)
Memory	2 x DDR4 SO-DIMM, 2133/2400 MHz, Dual channels, Max. single RAM up to 16GB, Max. up to 32GB
Storage	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	1 x DP (Max. support resolution: 4096x2304 x24bpp, @ 60Hz) 1 x DVI-D (Max. support resolution: 1920x1200, @60Hz) 1 x VGA (Max. support resolution: 1920x1200, @60Hz)
Network	2 x Intel® Ethernet Connection; LAN1: I210/I211-AT, LAN2: I219-LM, support WOL
Wireless	1 x Mini-PCIE (Optional support 3G/4G/LTE, Wi-Fi/BT expansion)
Audio	1 x Mic-in + 1 x Audio-out
USB	6 x USB 3.0
COM	4 x DB9 RS232 (COM1/COM2 support RS485/RS422/RS232, BIOS controllable)
GPIO	8* GPIO, 1* 20 pins Phenix terminal (Optional)
Expansion	1* MXM expansion modules (support 4x GLAN)
	1* aDoor expansion modules
Power	DC 9~36V input (1 x 4pin 5.08 phoenix terminal, with hole lock)
LED/Switch	1 x power button (including blue LED light)
Watchdog	Programmable 255 seconds
OS	6 <sup>th</sup> Core™: Windows 7/8.1/10 32 or 64 bits, Linux 7 <sup>th</sup> Core™: Windows 7/8.1/10 64 bits, Linux 8 <sup>th</sup> /9 <sup>th</sup> Core™: Windows 10 64 bits, Linux
RAID	0, 1
Structure	
Material	SGCC/Aluminum-alloy
Treatment	Hard anodizing treatment, scratch resistant
Color	Iron grey, industrial grey color
Cooling	Fan-less design
Weight	4.12kg (Net weight)
Dimension	268mm(L) x 194.2mm(W) x 67.7mm(H)
Mounting	Desktop, wall mount, VESA mount (100 x 100mm)
Environmental	
Operation temp.	Operating temp.: -20~60°C (Industrial SSD)
Storage temp.	Storage temp.: -40~80°C
Humidity	10%~90%@40°C (non-condensation)
Vibration	SSD: 3Grms@5~500Hz, random, 1 hr/axis;
Shock	10G/peak (11ms sec)



## Dimension & Interface



### Interface explanation

1:DC IN	2:LAN	3:USB3.0	4:DVI-D	5:Out	6:COM
7:Reset	8:Power	9:Earth	10:Adoor/MXM Slots	11:MIC	12:VGA
13:DP	14:2.5"HDD	15:USB3.0	16:SIM	17:GPIO	Reserved hole

## Ordering Information

CYBOX-AE7L-8100T	Intel Core i3-8100T 35W Desktop CPU, 1*DVI-D, 1*DP, 1*VGA, 2*RJ45, 6*USB3.0, 2*RS232, 2* RS232/RS485/RS422, Mic-In/Line-Out, 2*2.5" SSD/HDD slots, DC 9~36V
CYBOX-AE7L-8500T	Intel Core i5-8500T 35W Desktop CPU, 1*DVI-D, 1*DP, 1*VGA, 2*RJ45, 6*USB3.0, 2*RS232, 2* RS232/RS485/RS422, Mic-In/Line-Out, 2*2.5" SSD/HDD slots, DC 9~36V
CYBOX-AE7L-8700T	Intel Core i7-8700T 35W Desktop CPU, 1*DVI-D, 1*DP, 1*VGA, 2*RJ45, 6*USB3.0, 2*RS232, 2* RS232/RS485/RS422, Mic-In/Line-Out, 2*2.5" SSD/HDD slots, DC 9~36V
CYBOX-AE7L-9500T	Intel Core i5-9500T 35W Desktop CPU, 1*DVI-D, 1*DP, 1*VGA, 2*RJ45, 6*USB3.0, 2*RS232, 2* RS232/RS485/RS422, Mic-In/Line-Out, 2*2.5" SSD/HDD slots, DC 9~36V
CYBOX-AE7L-9700T	Intel Core i7-9700T 35W Desktop CPU, 1*DVI-D, 1*DP, 1*VGA, 2*RJ45, 6*USB3.0, 2*RS232, 2* RS232/RS485/RS422, Mic-In/Line-Out, 2*2.5" SSD/HDD slots, DC 9~36V
-4G /-8G/-16G/-32G	DDR4 4G/8G/16G/32GB
32GS/64GS/128GS/256GS/512GS/1TB	SSD: 32GB/64GB/128GB/256GB/512GB/1TB HDD: 500GB/1TB
Wireless modules	Wifi: 802.11b/g/n Mini PCIe 150M 3G/4G: All network 4G module
MXM modules	
aDoor Modules	

**Note:** xxxx refer to CPU Code

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