



Features:

- Intel® 6~9th Gen Core™ i3/i5/i7 Desktop CPU
- Intel® Q170/H110 Chipset
- 2*DDR4 SO-DIMM slot, Max Capacity 64GB
- HDMI、DP、VGA Output
- 2*Intel GbE ports
- WiFi/4G wireless expansion
- 4/8-ch POE, IEEE 802.3af
- 4/8-ch light sources, 24V @ 2A max. per port
- Support NVIDIA MXM And multiple expansion
- Support desktop, wall mounted, and DIN rails
- 12~28V DC

Remote Management

Condition Monitoring

Remote Operation And Maintenance

Safety Control

Product Specification

		AK71xxC6		AK71xxC6-xx		AK71xxC6-xxxx	
CPU	CPU	Intel® 6~9 th Core/Pentium/Celeron CPU					
	TDP	65W					
	Socket	LGA1151					
Chipset	chipset	Intel® Q170/H110					
BIOS	BIOS	AMI UEFI BIOS					
Memory	Socket	2 * SO-DIMM Slot, Dual Channel DDR4 up to 2666MHz					
	Max Capacity	32GB, Single Max. 16GB					
Graphics	Controller	Intel® HD 530/Intel® UHD 630					
Ethernet	Controller	1 * Intel® i210-AT(10/100/1000 Mbps) 1 * Intel® i219-LM(10/100/1000 Mbps) 1 * Intel® i350-AM4(10/100/1000 Mbps)					
Storage	M.2	1 * M.2 Key-M(PCIe x4 Gen 3 + SATA3.0 NVMe/SATA SSD Auto Detect, 2280)					
Expansion	Mini PCIe	1 * Mini PCIe(PCIe x1 Gen 2+ USB 2.0, with SIM card slot), support WiFi/BT/4G/CAN)					
	Optional Primary Cabinet	N/A	8A: 16*GPIO ^[2] /4*CH ^[3] /2*DP ^[4] +2*HDMI ^[4] /MXM 3.0 Type-A/B ^[5] 9A ^[6] : 16*GPIO ^[2] /4*CH ^[3] 4*LAN, Intel i350-AM4 9D: 16*GPIO ^[2] /4*CH ^[3] 9G ^[6] : 4*LAN, Intel i350-AM4 9M ^[6] : 16*GPIO ^[2] /4*CH ^[3] 4*POE, Intel i350-AM4 9Q ^[6] : 4*POE, Intel i350-AM4			9A ^[6] : 16*GPIO ^[2] /4*CH ^[3] 4*LAN, Intel i350-AM4 9D: 16*GPIO ^[2] /4*CH ^[3] 9G ^[6] : 4*LAN, Intel i350-AM4 9M ^[6] : 16*GPIO ^[2] /4*CH ^[3] 4*POE, Intel i350-AM4 9Q ^[6] : 4*POE, Intel i350-AM4	
	Optional Secondary Cabinet	N/A	N/A			9D: 16*GPIO ^[2] /4*CH ^[3]	
Front I/O	USB	4 * USB 3.0 (Type-A)					
	Serial	2 * RS232/422/485 (COM1/2, DB9/M, RS232)					
	Display	1 * HDMI: max resolution up to 4096*2304 @ 24Hz) 1 * VGA: max resolution up to 1920*1200 @ 60Hz)					
	Ethernet	2 * RJ45					
	POE	4 * POE					
	Power	1 * DC Power Input					
	Button	1 * Power Button + Power LED 1 * PS_ON Connector					
Bottom I/O	Switch	1 * AT/ATX Mode Switch (Enable/Disable automatically power on)					
	Button	1 * Reset (Hold down 0.2 to 1s to restart, 3s to clear CMOS) 1 * OS Rec (system recovery)					
Power Supply	Type	DC					
	Power Input Voltage	12 ~ 28V Note: When using the light source and POE, 24V input must be used.					
	Connector	1 * 4Pin Power Input Connector (P= 5.08mm)					
	RTC Battery	CR2032 Battery					
OS Support	Windows	6/7 th CPU: Windows 7/10 8/9 th CPU: Windows 10					
	Linux	Linux					
Watchdog	Output	System Reset					
	Interval	Programmable via Software from 1 to 255 sec					
Mechanical	Enclosure Material	Radiator/Box: Aluminum alloy, Top/Bottom Cover: SGCC					
	Dimensions	53mm(L)*145mm(W)*186.4mm(H)	72.9mm(L)*145mm(W)*186.4mm(H)			97.7mm(L)*145mm(W)*186.4mm(H)	
	Mounting	Wall mounted, DIN, Desktop					
Environment	Heat Dissipation System	PWM Active Heat Dissipation					
	Operating Temperature	-20~60°C					
	Storage Temperature	-40~80°C					
	Relative Humidity	5 to 90% RH (non-condensing)					

[1] H110 platform supports SATA SSD only.

[2] GPIO supports 8-channel optically isolated digital inputs and 8-channel isolated digital / relay outputs. Digital and relay isolated output modes cannot be used simultaneously; the output mode can be set via internal jumpers.

[3] Each channel supports 24V, maximum current 2A. When expanded to 8-channel light sources, the total output current of light sources is up to 8A.

[4] MXM graphics card output interface.

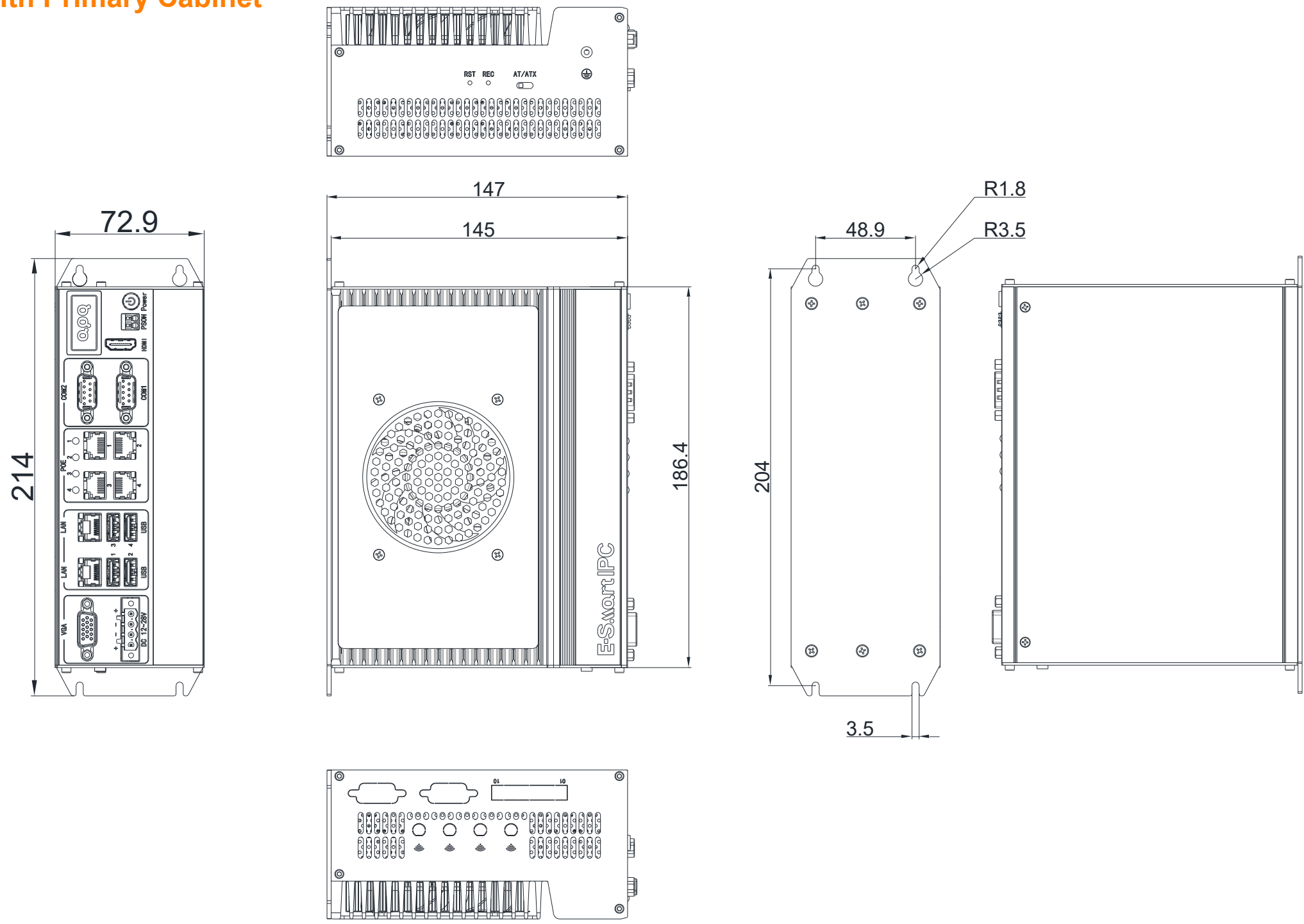
[5] Supports NVIDIA GPU graphics cards in MXM 3.0 Type A/B format, with maximum TDP 130W, supporting up to RTX 4070. Default optional graphics cards: GTX 1650 / RTX 3060 / RTX 4070.

[6] H110 platform does not support 9A/9G/9M/9Q magazines.

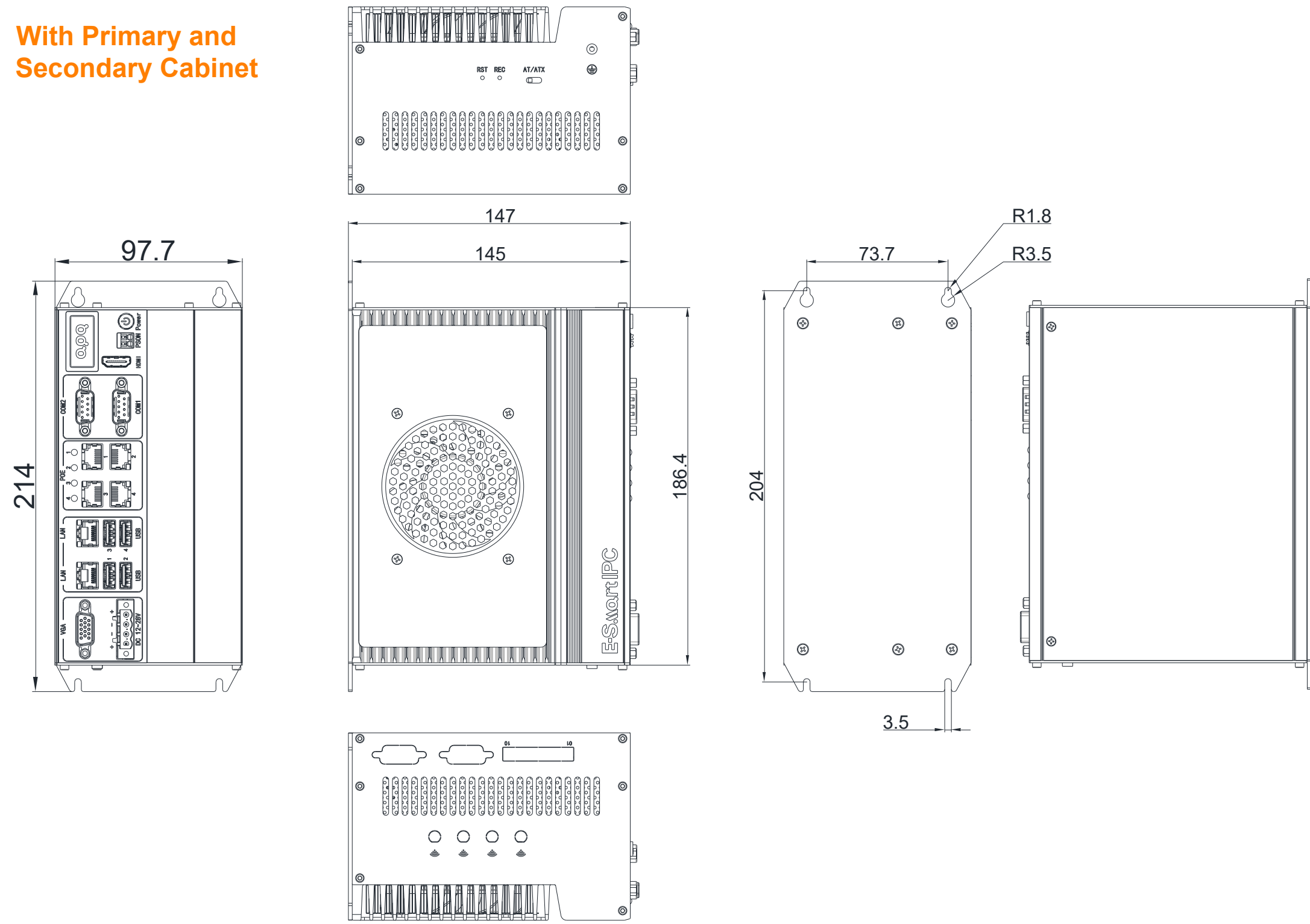
Box



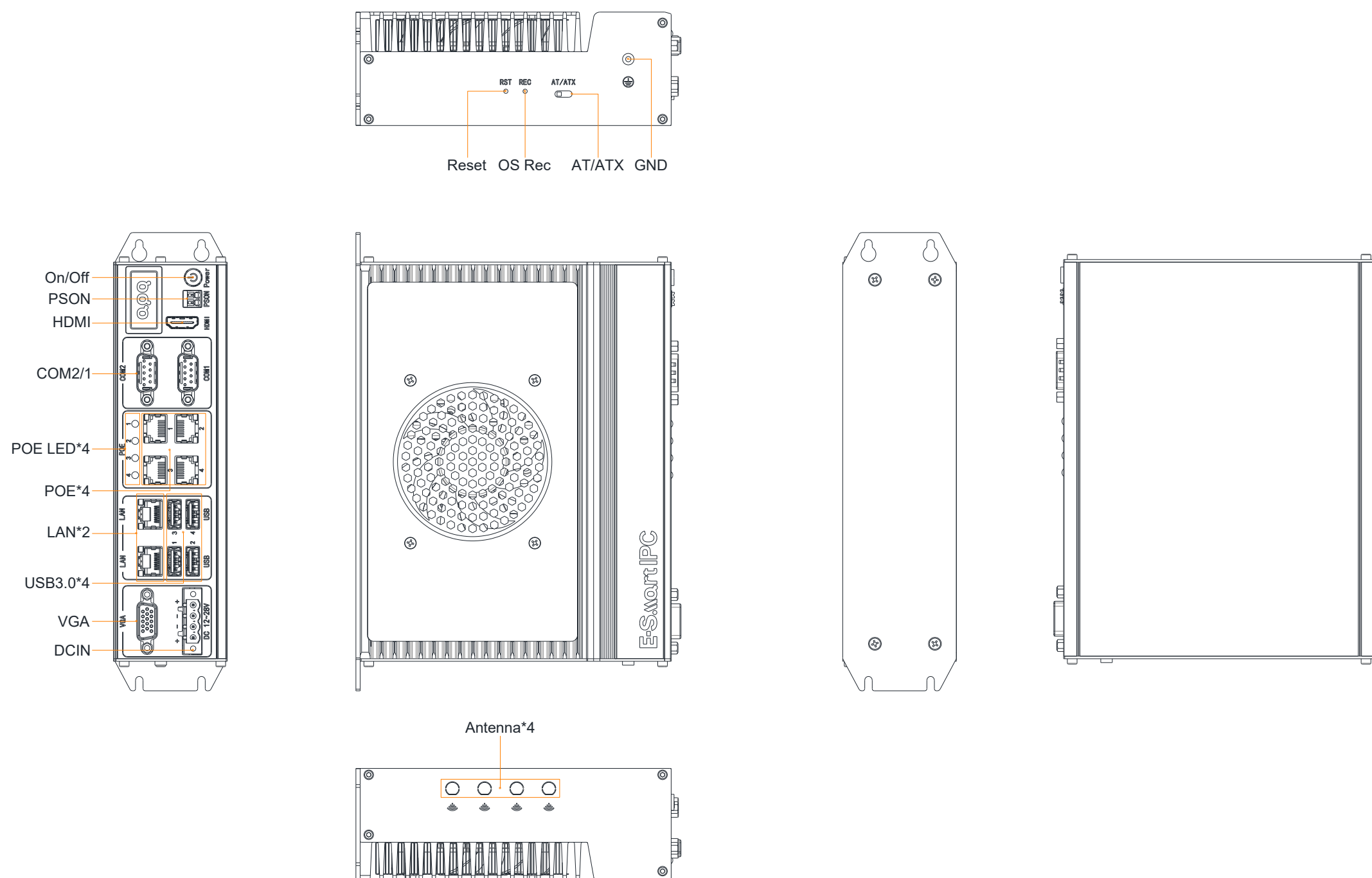
With Primary Cabinet



With Primary and Secondary Cabinet

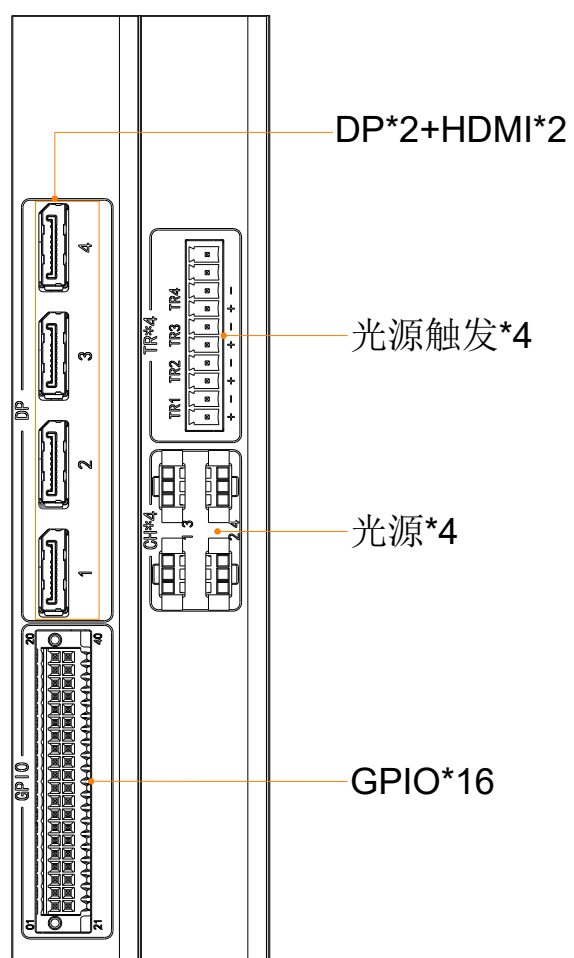


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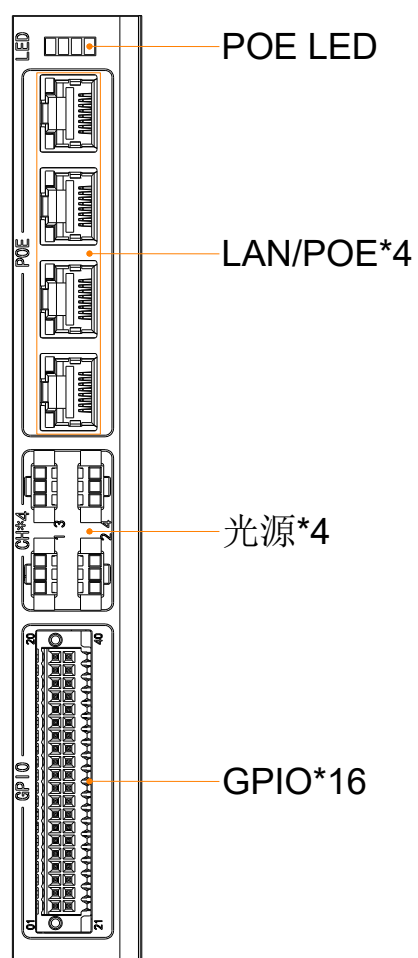


Expansion I/O

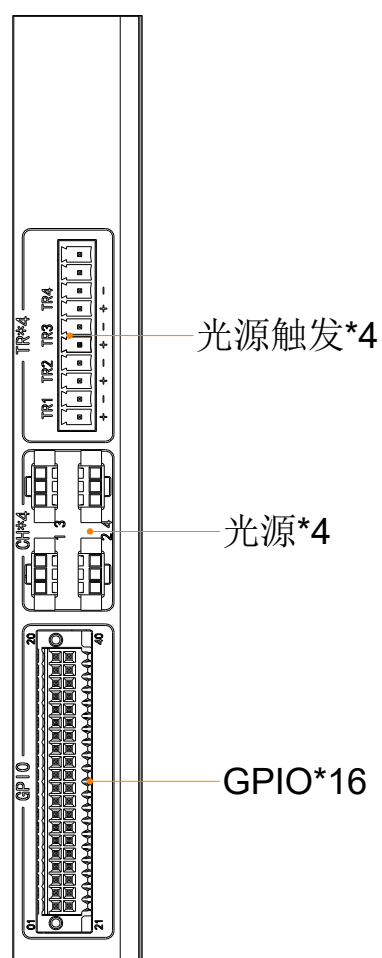
8A



9A/9M



9D



9G/9Q

