



Features:

- Intel® 12/13th Gen Core™ i3/i5/i7 -U/P/H CPU
- 2*DDR5 SO-DIMM slot, Max Capacity 64GB
- HDMI、VGA Output
- 2*Intel GbE ports
- WiFi/4G wireless expansion
- 4*PoE ports (IEEE 802.3af), IEEE 802.3af
- 4/8-ch light sources, 24V @ 2A max. per port
- Support NVIDIA MXM and multiple expansion option
- Support desktop, wall mounted, and DIN rails
- 12~28V DC

Remote Management

Condition Monitoring

Remote Operation And Maintenance

Safety Control

Product Specification

		AK6xxxC6	AK6xxxC6-xx	AK6xxxC6-xxxx
CPU	CPU	Intel® 12/13th Generation Core™ i3/i5/i7 Mobile -U/P/H CPU		
	Chip	SOC		
BIOS	BIOS	AMI UEFI BIOS		
Memory	Socket	2 * SO-DIMM slot,support DDR5, up to5200MHz		
	Max Capacity	64GB		
Graphics	Controller	Intel® Iris® Xe Graphics		
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	Socket	1 * M.2 Key-M(PCIe x4 Gen 3)		
Expansion Slots	Mini PCIe	1 * Mini PCIe(PCIe x1 Gen 2 + USB 2.0,with SIM card slot), support WiFi/BT/4G/CAN)		
	Primary Cabinet	N/A	8A ^[1] : 16*GPIO ^[2] /4*CH ^[3] /2*DP ^[4] +2*HDMI ^[4] /MXM 3.0 Type-A/B ^[5] 9A: 16*GPIO ^[2] /4*CH ^[3] 4*LAN, Intel i350-AM4 9D: 16*GPIO ^[2] /4*CH ^[3] 9M: 16*GPIO ^[2] /4*CH ^[3] 4*POE, Intel i350-AM4 9G: 4*LAN, Intel i350-AM4 9Q: 4*POE, Intel i350-AM4	9A: 16*GPIO ^[2] /4*CH ^[3] 4*LAN, Intel i350-AM4 9D: 16*GPIO ^[2] /4*CH ^[3] 9M: 16*GPIO ^[2] /4*CH ^[3] 4*POE, Intel i350-AM4 9G: 4*LAN, Intel i350-AM4 9Q: 4*POE, Intel i350-AM4
	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)		
	Display	1 * HDMI: max resolution up to 4096*2304 @ 24Hz) 1 * VGA: max resolution up to 1920*1200 @ 60Hz)		
	Internet	2 * RJ45		
	POE	4 * POE support IEEE 802.3af		
	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	Windows 10/11		
	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		
	Size	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		
Industrial Environment	Heat Dissipation System	Passive Heat Dissipation PWM Active Heat Dissipation		
	Operating Temperature	-20~60℃		
	Storage Temperature	-40~80℃		
	Humidity	5 to 90% RH(non-condensing)		
	Vibration During Operation	IEC 60068-2-64(3Grms@5~500Hz, random, 1hr/axis)		
	Shock During Operation	IEC 60068-2-27(30G, half sine, 11ms)		

Making Industry More Reliable,Enabling a Better Life

400-702-7002

www.apuqi.com

Notes:

[1] The 8A magazine is only supported by **-H series CPUs**.

[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 configured via internal jumpers.

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

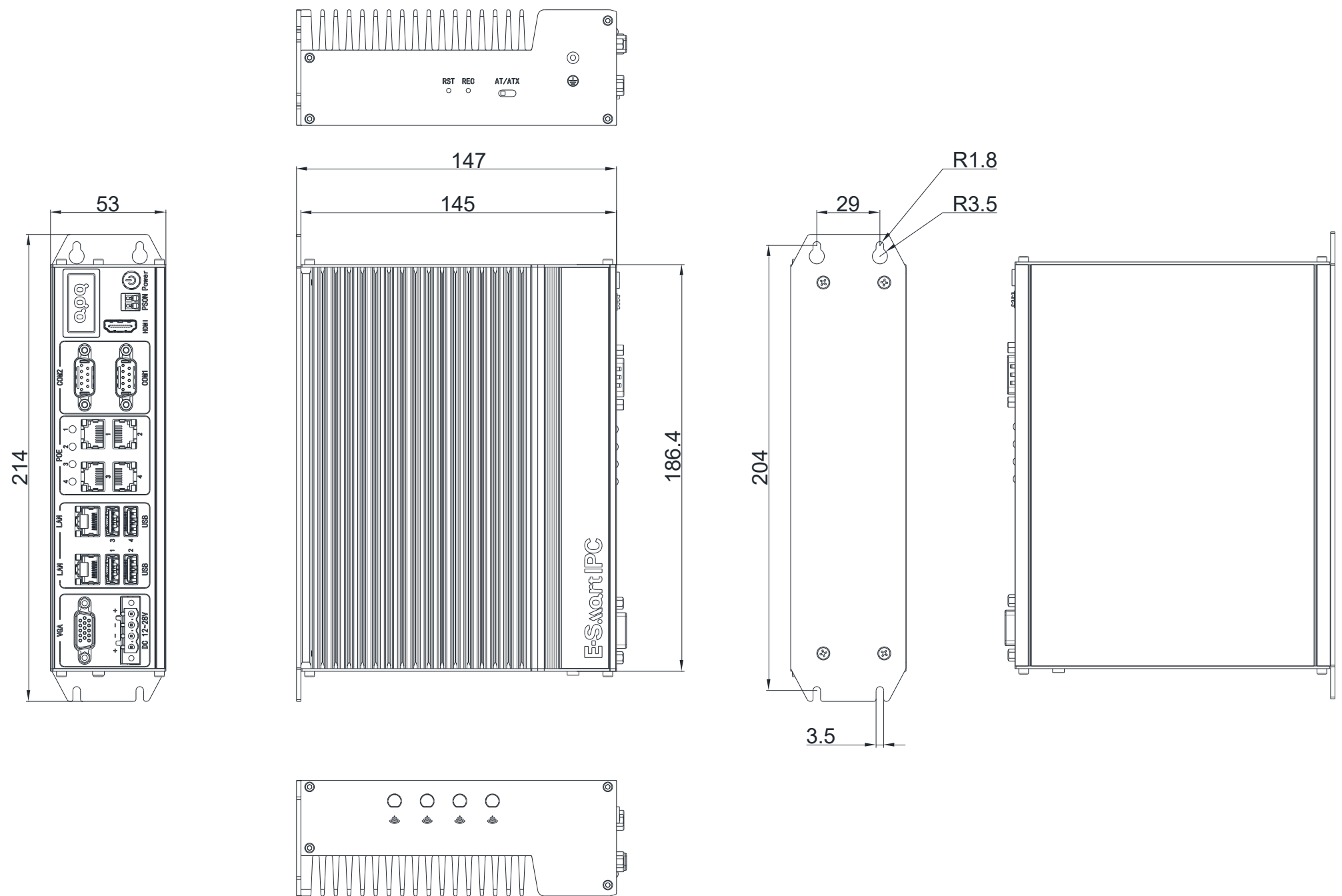
[4] MXM graphics card output interface.

[5] Supports NVIDIA GPU graphics cards of **MXM 3.0 Type A/B**, with a maximum TDP of 130W, supporting up to RTX 4070.

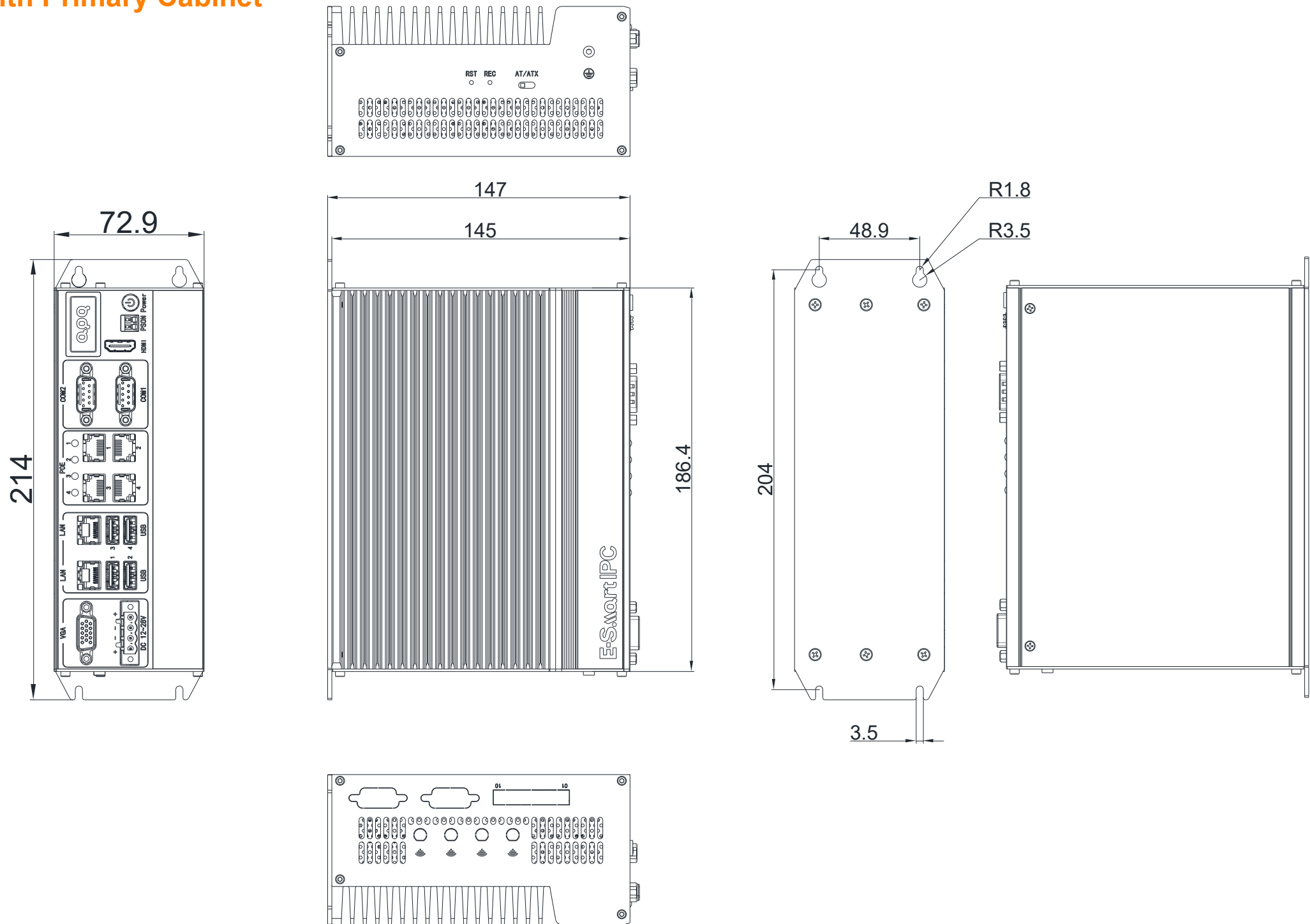
4070.

Product Size

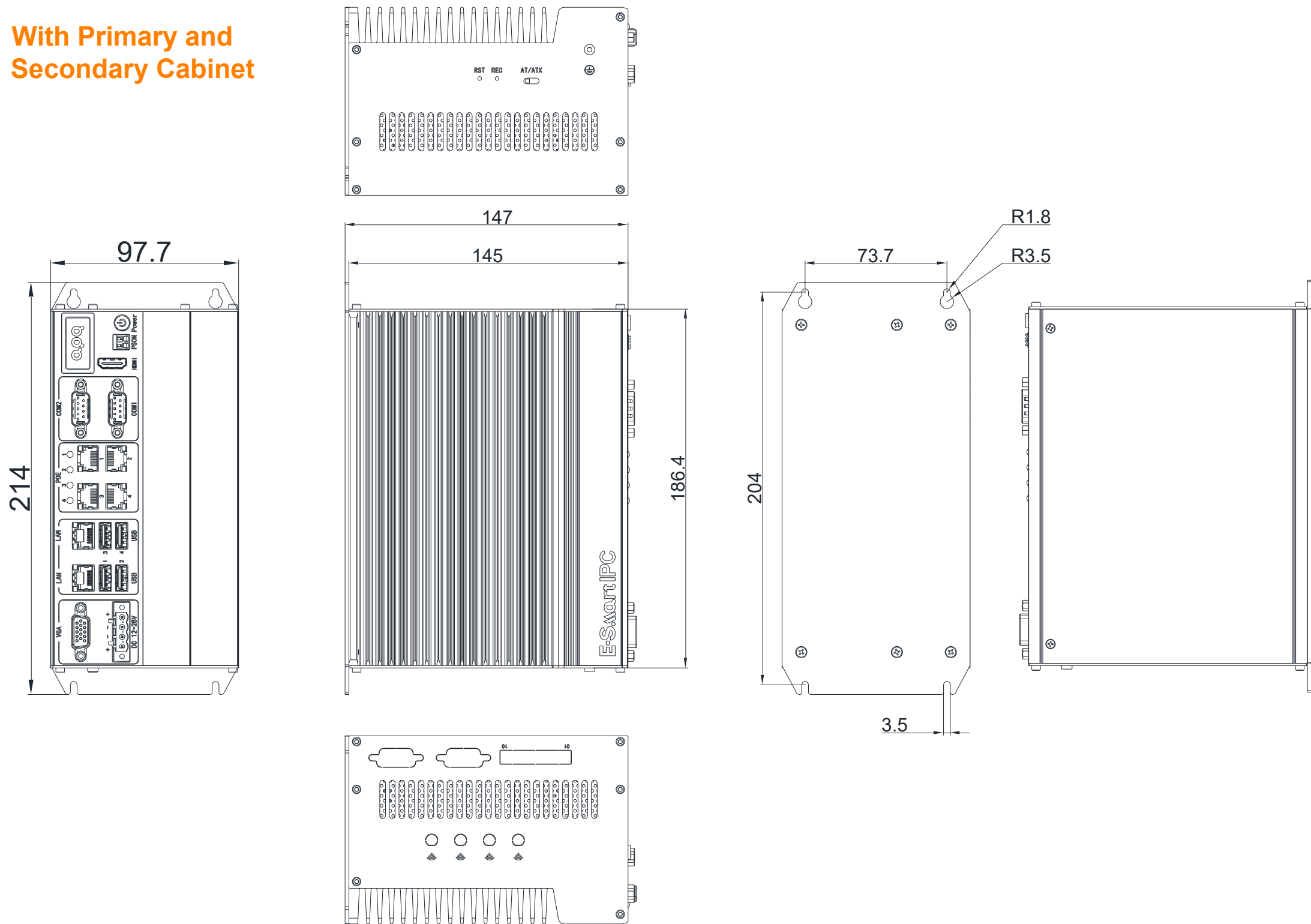
Box



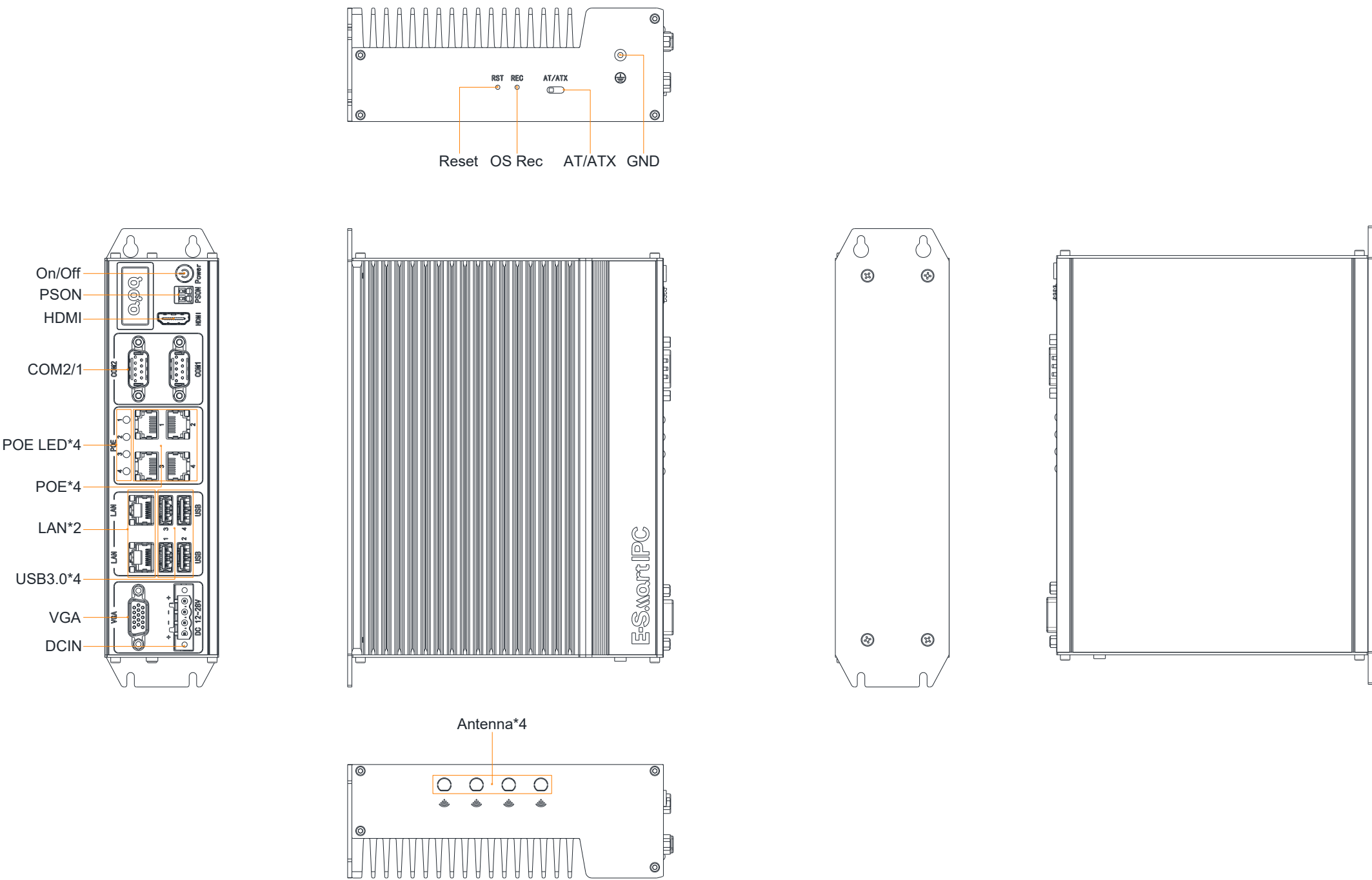
With Primary Cabinet



With Primary and Secondary Cabinet

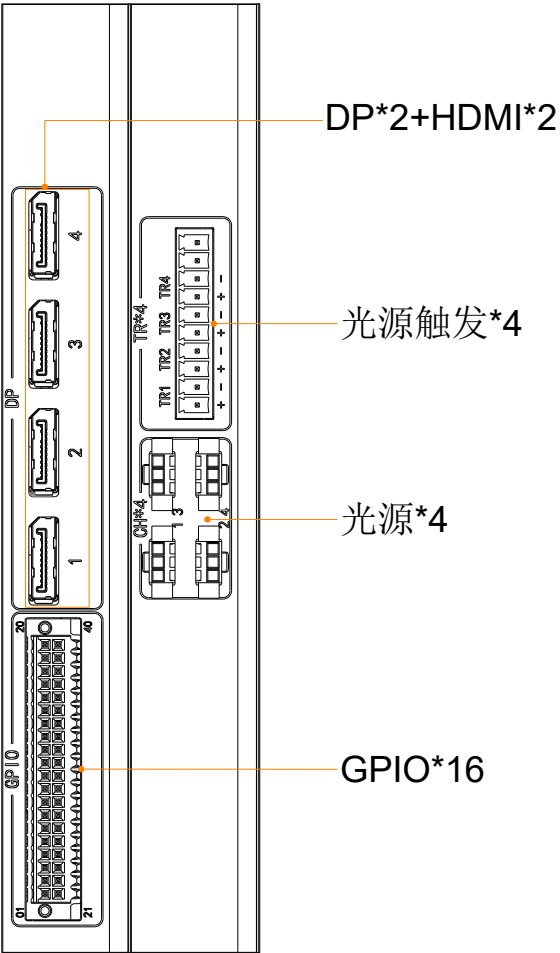


AK6xxxC6

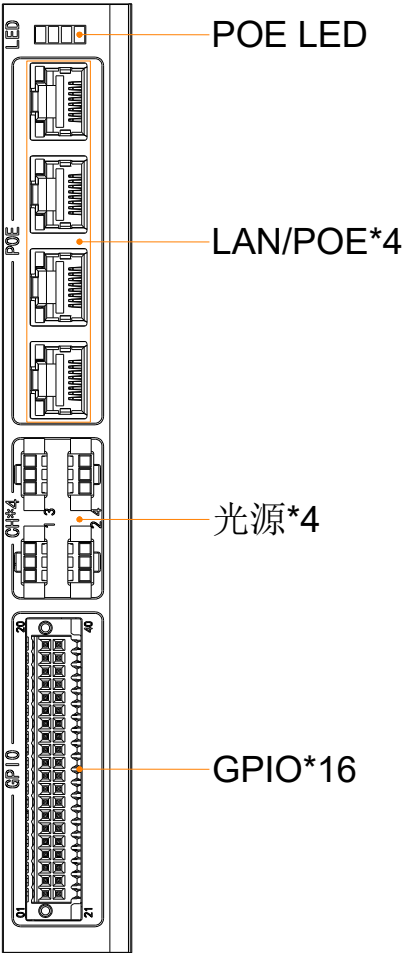


Expansion I/O

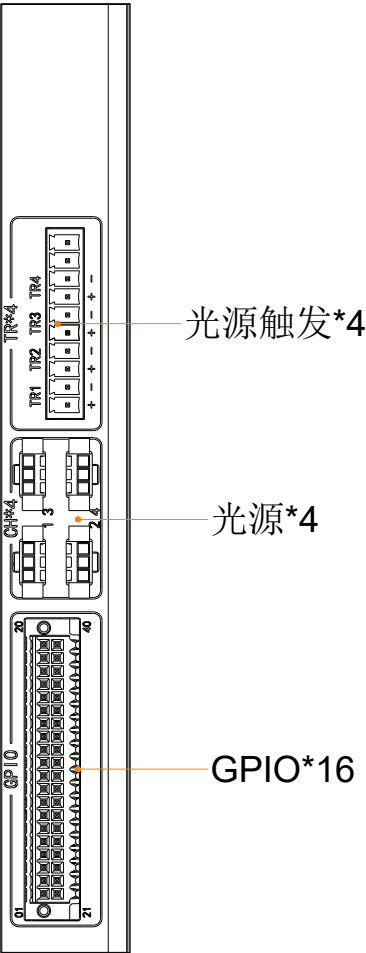
8A



9A/9M



9D



9G/9Q

