

Features:

- Intel® 12~14th i3/i5/i7 Desktop CPU
- Intel® Q670/H610 Chipset
- 2*DDR5 SO-DIMM slot, Max Capacity64GB
- HDMI、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
Maintenance

And



Safety Control

Product Specification

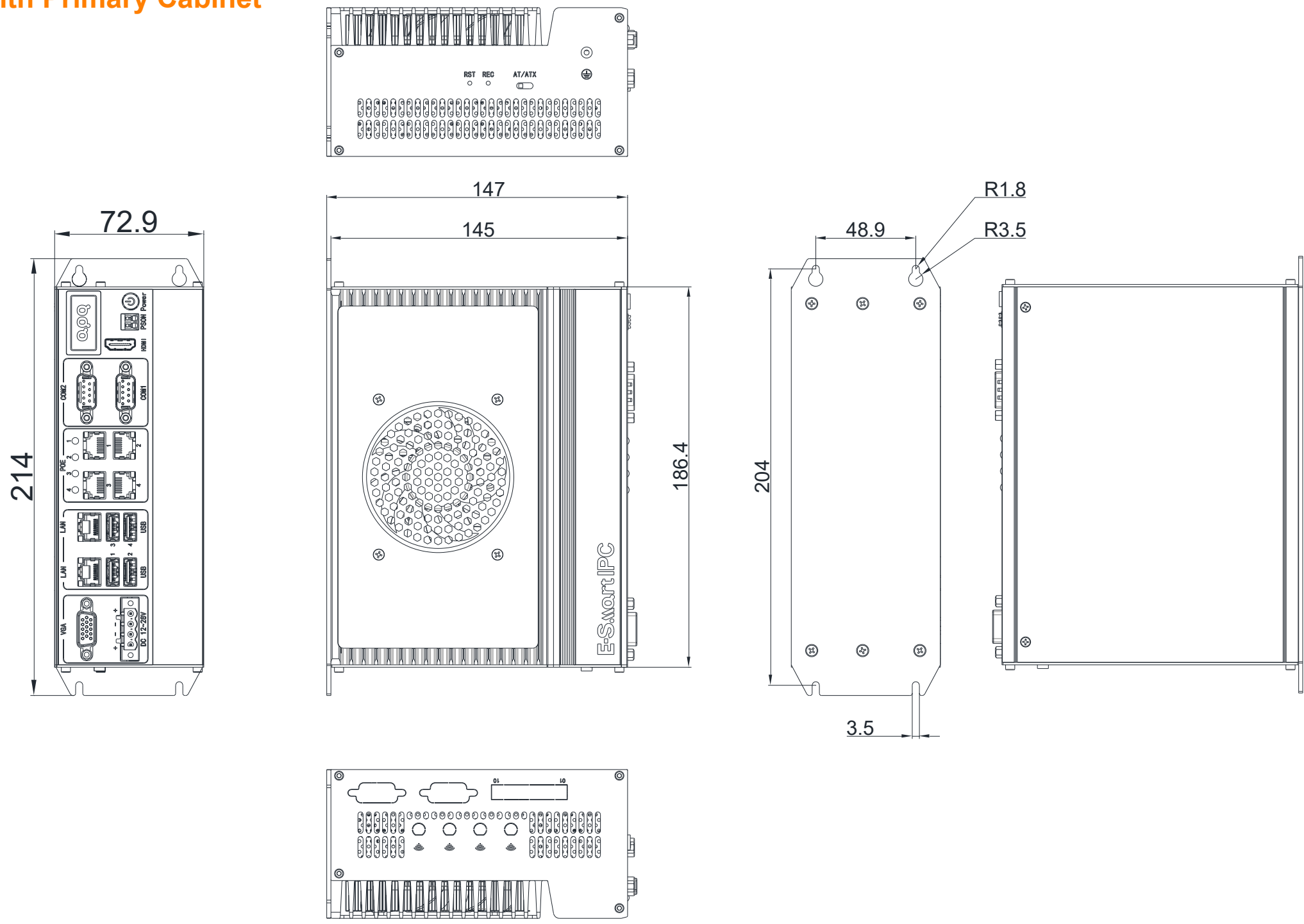
		AK76xxC6	AK76xxC6-xx	AK76xxC6-xxxx
CPU	CPU	Intel® 12~14 th Core™ i3/i5/i7 CPU		
	TDP	65W		
	Socket	LGA1700		
Chipset	chipset	Intel® Q670/H610		
BIOS	BIOS	AMI UEFI BIOS		
Memory	Socket	2 * SO-DIMM slot,Dual ChannelDDR5 up to5600MHz		
	Max Capacity	32GB, Single Max. 16GB		
Graphics	Controller	Intel® UHD series		
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)		
	Mini PCIe	1 * Mini PCIe(PCIe x1 Gen 2+ USB 2.0, with SIM card slot), support WiFi/BT/4G/CAN)		
Expansion	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
			N/A	9D: 16*GPIO ^[2] /4*CH ^[3]
	Optional Secondary Cabinet	N/A	N/A	
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	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		
	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)		
	Vibration During Operation	IEC 60068-2-64(3Grms@5~500Hz, random, 1hr/axis)		

- [1] H610 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 configured via internal jumpers.
- [3] Each channel supports 24V with a maximum current of 2A. When expanded to 8-channel light sources, the total output current shall not exceed 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. Default optional GPUs: GTX 1650 / RTX 3060 / RTX 4070.
- [6] H610 platform does not support 9A/9G/9M/9Q magazines.

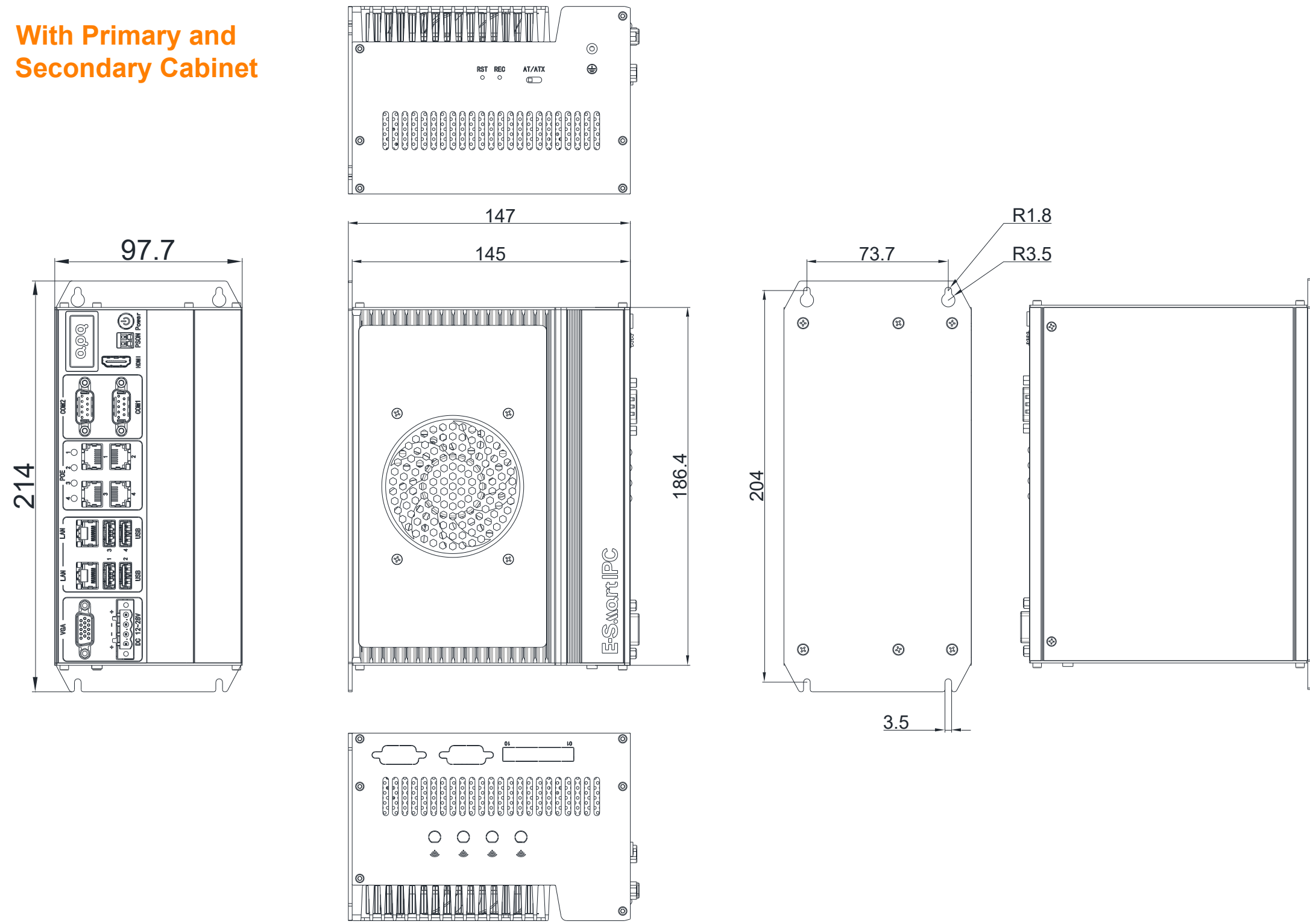
Box



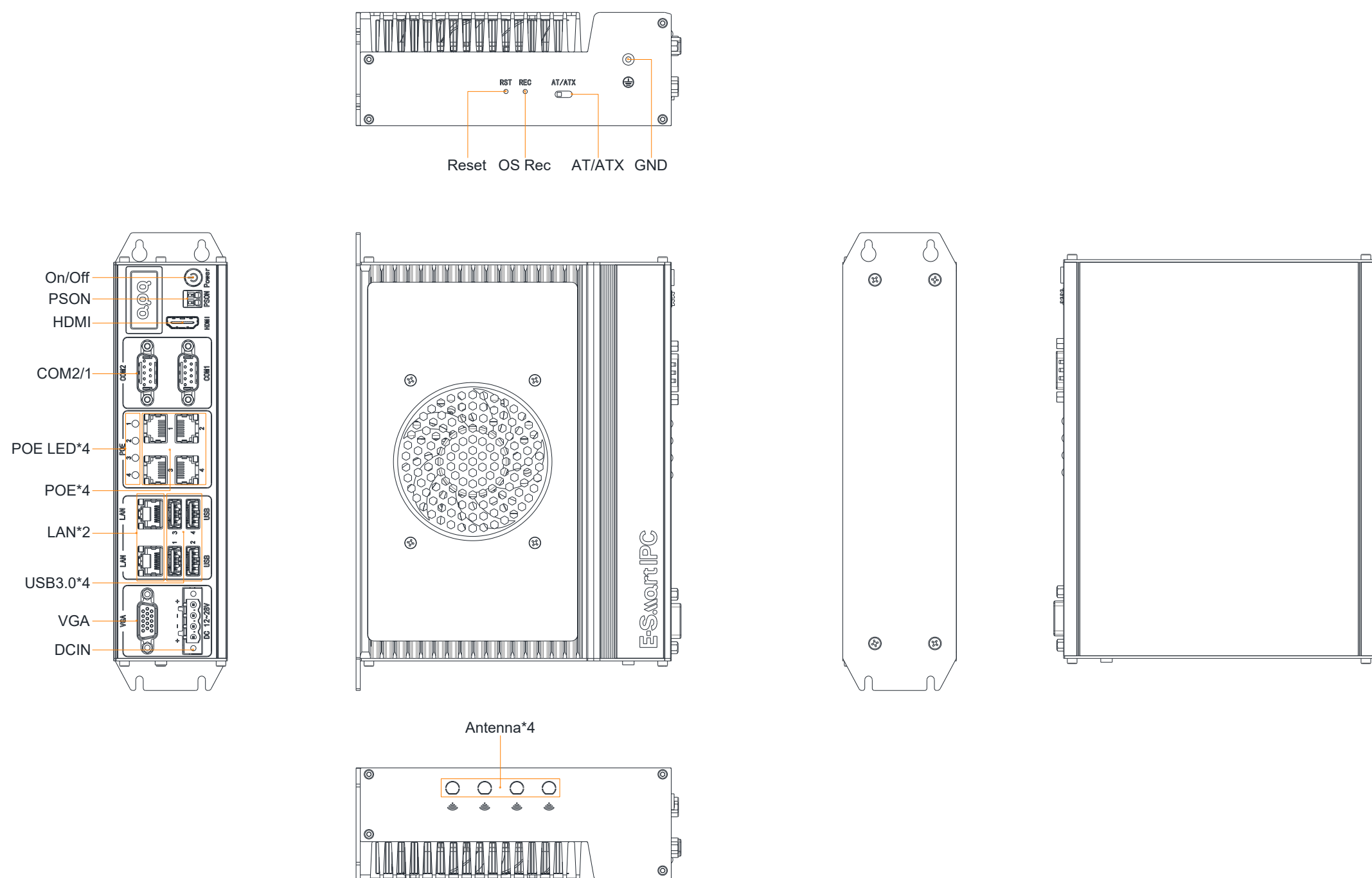
With Primary Cabinet



With Primary and Secondary Cabinet



AK7xxxC6



Expansion I/O

