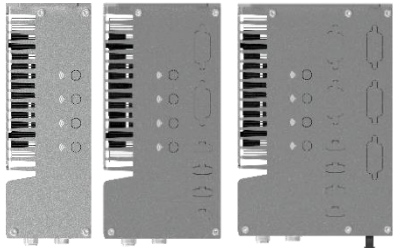
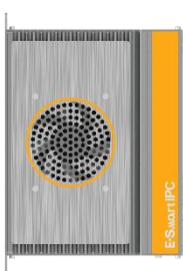




Features:

- 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
- Support multiple APQ expansion
- USB 2.0 Type-A
- Support desktop, wall mounted, and DIN rails
- 12~28V DC



Remote
Management



Condition
Monitoring



Remote Operation
And Maintenance



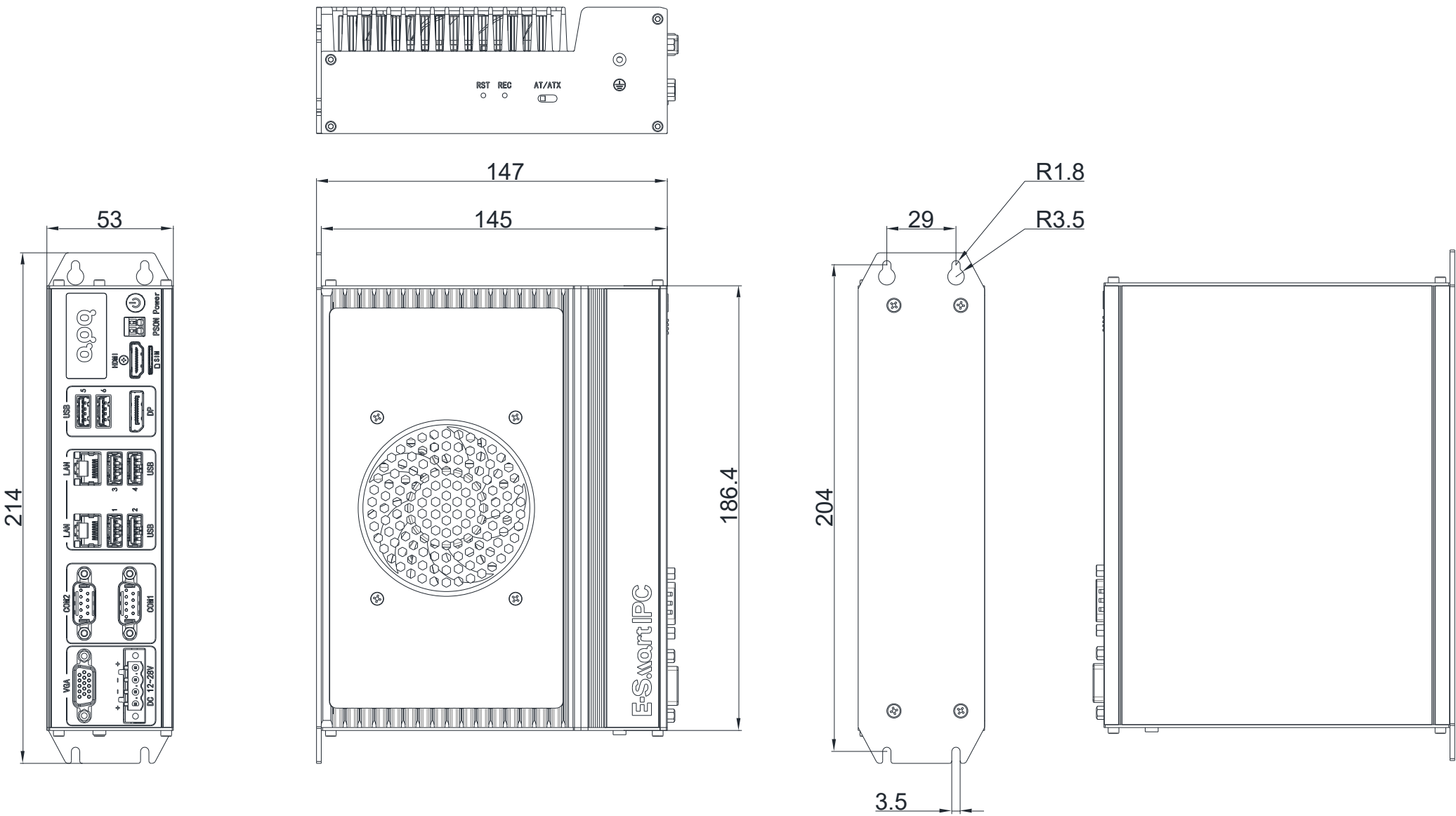
Safety Control

Product Specification

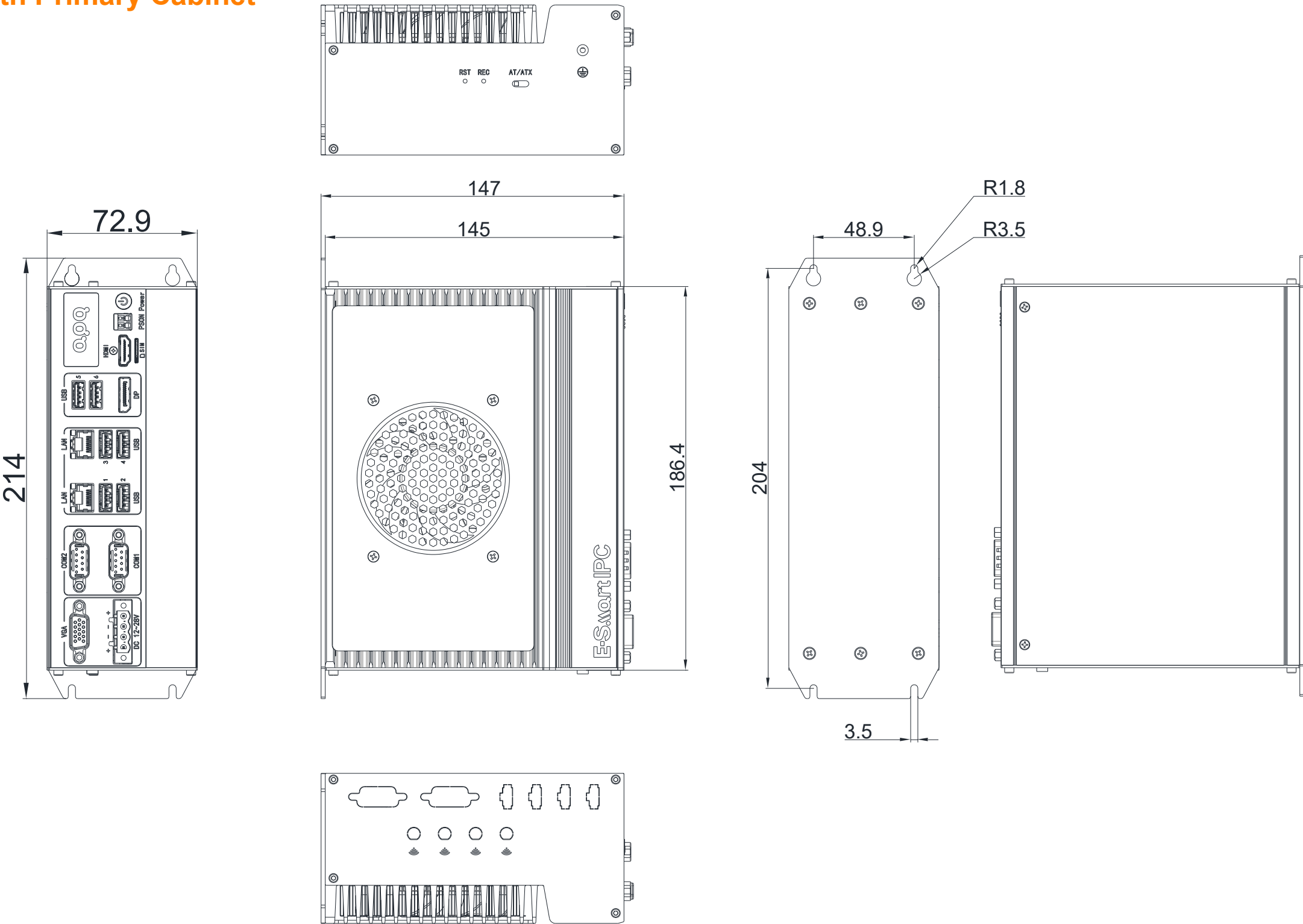
Model		AK7170A2	AK7110A2
CPU	CPU	Intel® 6~9 th Generation Core™ Desktop Processor	
	TDP	65W	
	Socket	LGA1151	
Chipset	Chipset	Intel® Q170	Intel® H110
BIOS	BIOS	AMI UEFI BIOS	
Memory	Socket	2 * SO-DIMM Slot, Dual Channel DDR4 up to 2666MHz	
	Max Capacity	32GB, Single Max. 16GB	
Graphics	Controller	Intel® HD Graphics530/Intel® UHD Graphics 630(Dependent on CPU)	
Ethernet	Controller	1 * Intel® i210-AT GbE LAN Chip (10/100/1000 Mbps)	1 * Intel® i210-AT GbE LAN Chip (10/100/1000 Mbps)
		1 * Intel® i219-LM GbE LAN Chip (10/100/1000 Mbps)	1 * Intel® i219-LM GbE LAN Chip (10/100/1000 Mbps)
Storage	M.2	1 * M.2 Key-M (PCIe x4 Gen 3 + SATA3.0, NVMe/SATA SSD Auto Detect, 2280)	1 * M.2 Key-M (SATA3.0, 2280)
Expansion	Mini PCIe	1 * Mini PCIe (PCIe x1 Gen 2 + USB 2.0) 1 * Mini PCIe (PCIe x1 Gen 2 + USB 2.0, with SIM card slot)	1 * Mini PCIe (PCIe x1 Gen 2 + USB 2.0, with SIM card slot)
	Optional Primary Cabinet	1A/1B/1C/1D/1E/2A/3A	1E
	Optional Secondary Cabinet	1E	1E
Front I/O	USB	6 * USB3.0 (Type-A)	4 * USB3.0 (Type-A) 2 * USB2.0 (Type-A)
	Serial	2 * RS232/485 (COM1/2, DB9/M, Full lanes)	
	Display	1 * HDMI: max resolution up to 4096*2304 @ 24Hz	
		1 * DP: max resolution up to 4096*2160 @ 60Hz	
		1 * VGA: max resolution up to 1920*1200 @ 60Hz	
	Ethernet	2 * RJ45	
	Power	1 * DC Power Input	
Button	SIM	1 * Nano SIM Card slot (Mini PCIe module provide functional support)	
	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 ~ 28VDC	
		Note: When using the light source and POE, 24V input must be used.	
	Connector	1 * 4Pin Power Input Connector (P= 5.08mm)	
OS Support	RTC Battery	CR2032 Coin Cell	
	Windows	6/7th Core™: Windows 7/10	
		8/9th Core™: Windows 10	
Watchdog	Linux	Linux	
	Output	System Reset	
Mechanical	Interval	Programmable via Software from 1 to 255 sec	
	Enclosure Material	Radiator/Box: Aluminum alloy, Top/Bottom Cover: SGCC	
	Dimensions	53mm(L) * 145mm(W) * 186.4mm(H)	
Environment	Mounting	Wall mounted, DIN, Desktop	
	Heat Dissipation System	PWM Air Cooling	
	Operating Temperature	-20~60°C	
	Storage Temperature	-40~80°C	
	Relative Humidity	5 to 90% RH (non-condensing)	
	Vibration During Operation	With SSD: IEC 60068-2-64 (3Grms@5~500Hz, random, 1hr/axis)	
	Shock During Operation	With SSD: IEC 60068-2-27 (30G, half sine, 11ms)	

Product Size

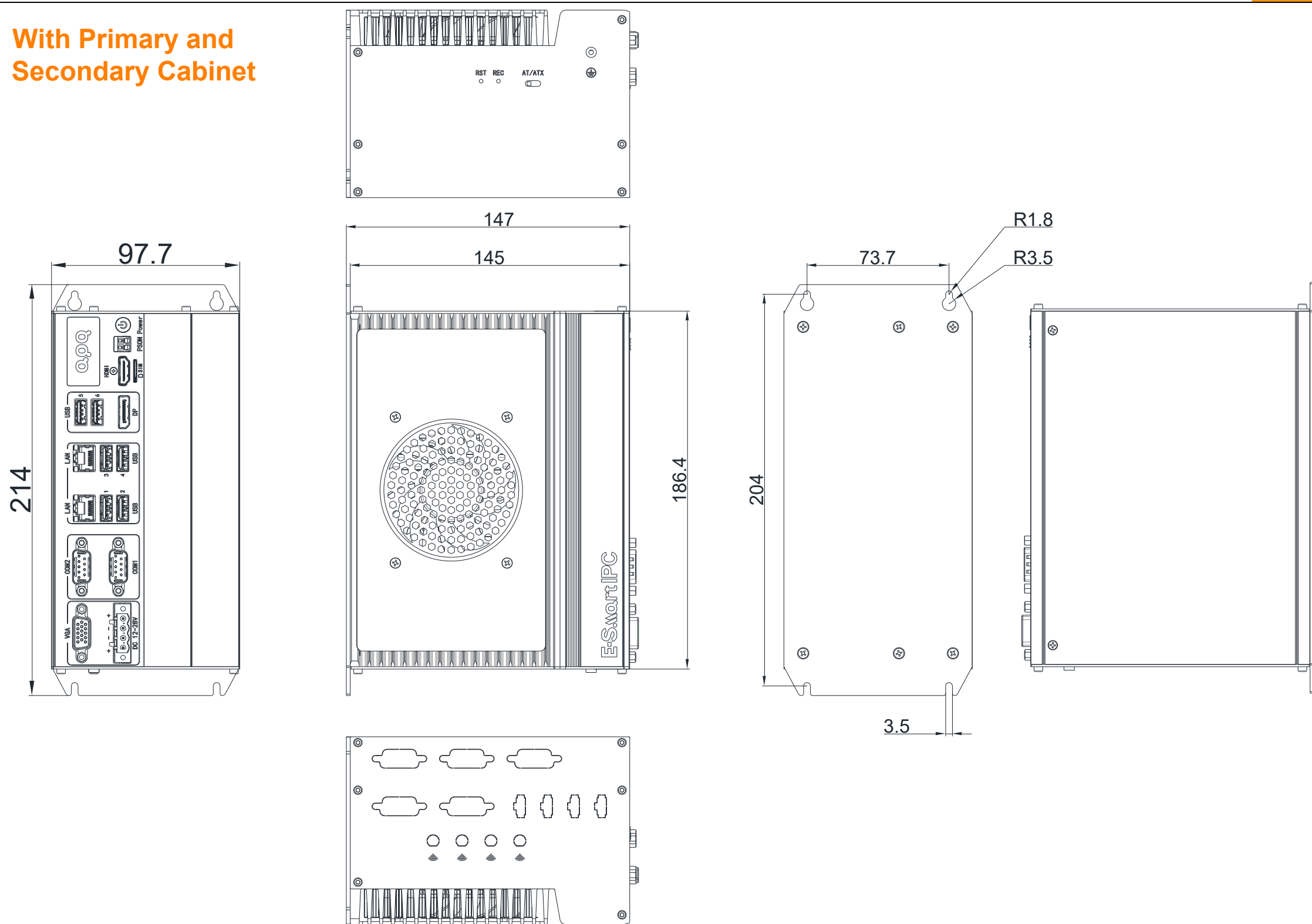
Box



With Primary Cabinet

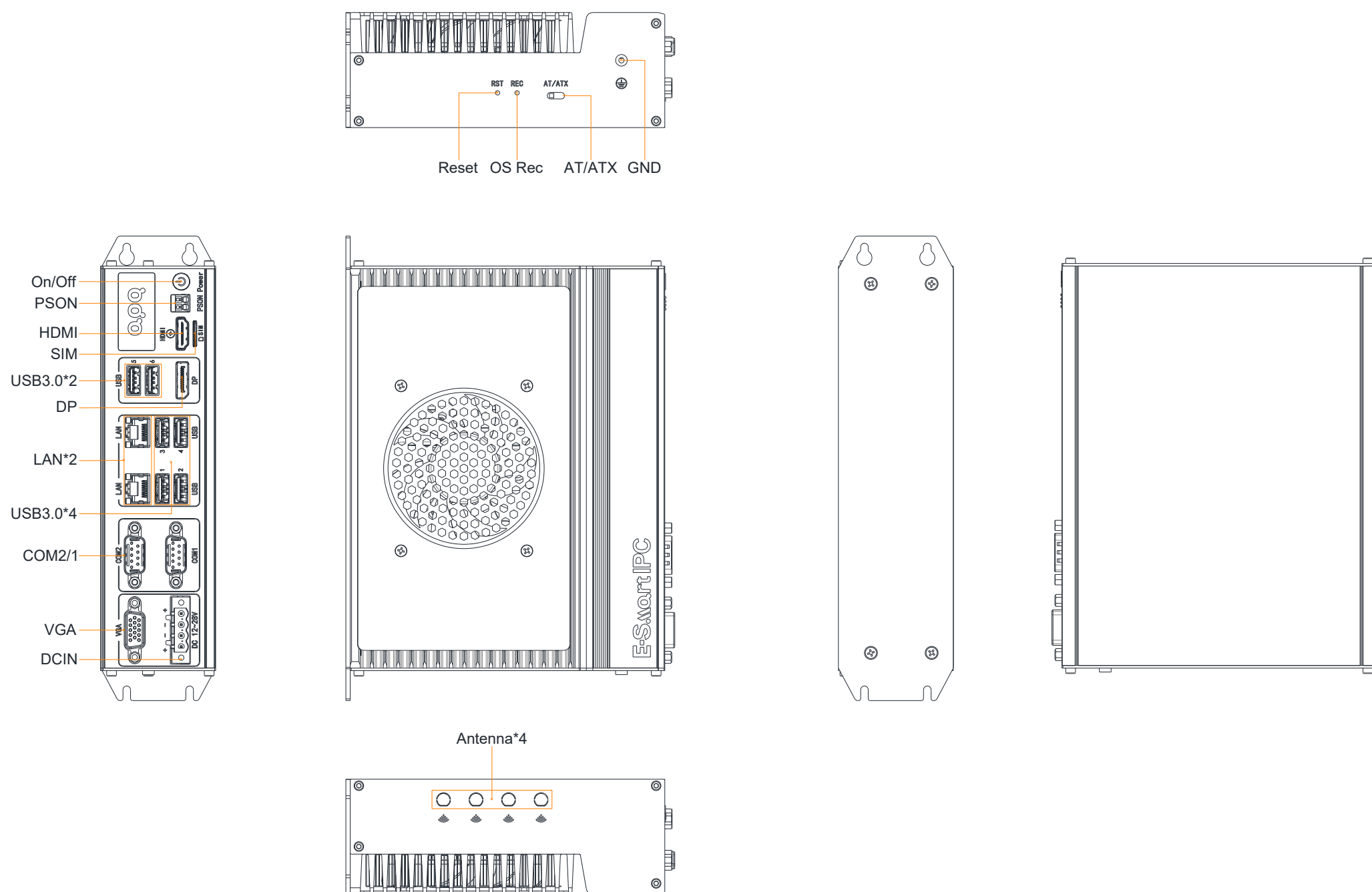


With Primary and Secondary Cabinet



I/O

AK7170A2



AK7110A2

