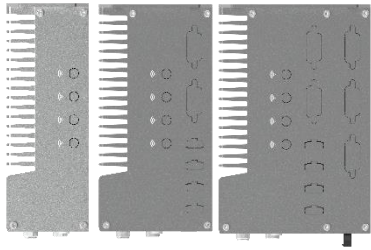




Features:

- Intel® Alder Lake-N mobile CPUs
- 1*DDR4 SO-DIMM slot, Max Capacity32GB
- HDMI、DP、VGA Output,
- WiFi/4G wireless expansion
- Support a variety of APQ expansion
- USB 2.0 Type-A
- Support desktop, wall mounted, and DIN rails
- Fanless passive cooling
- 12~28V DC



Remote Management



Condition Monitoring



Remote
Operation And
Maintenance



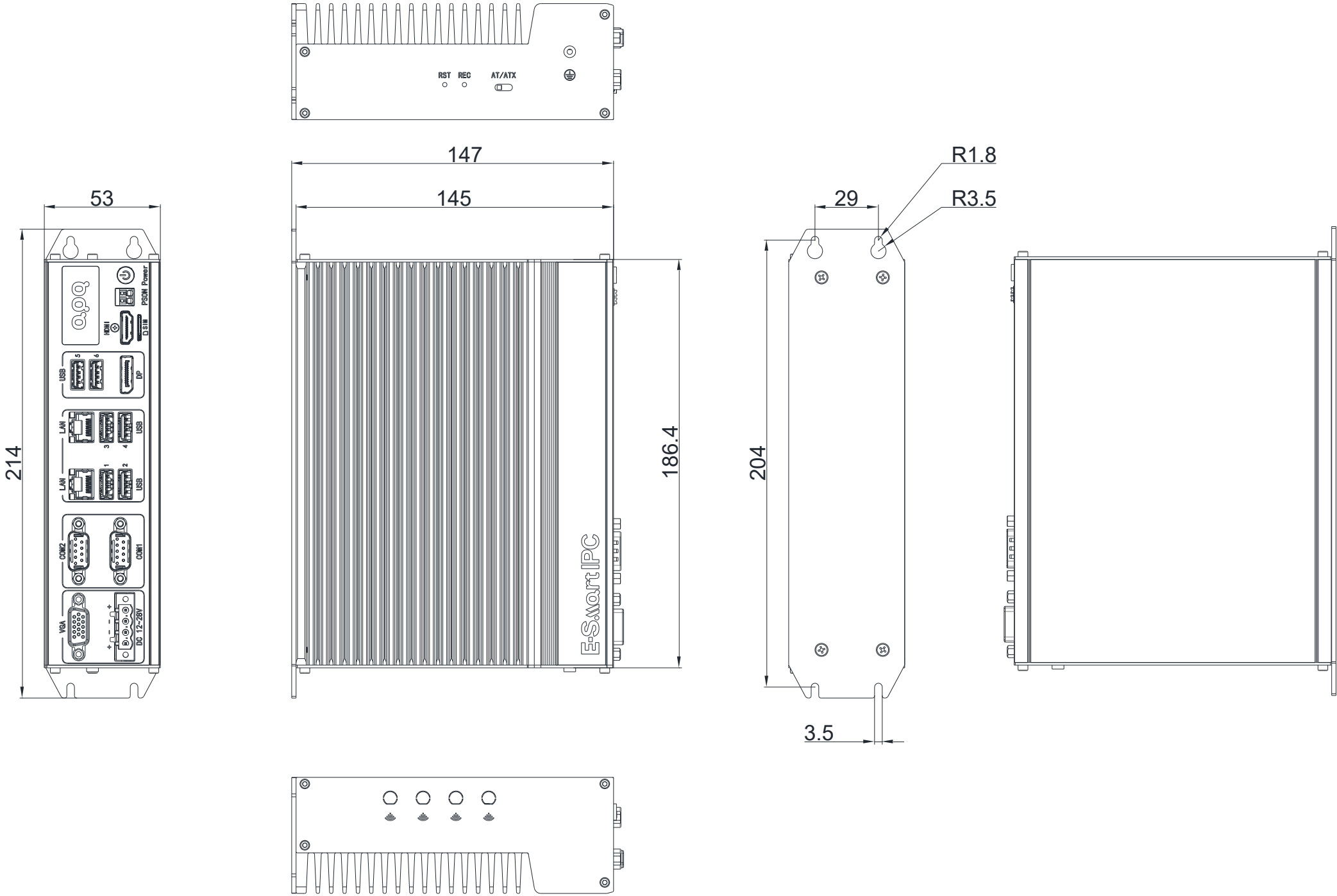
Safety Control

Product Specification

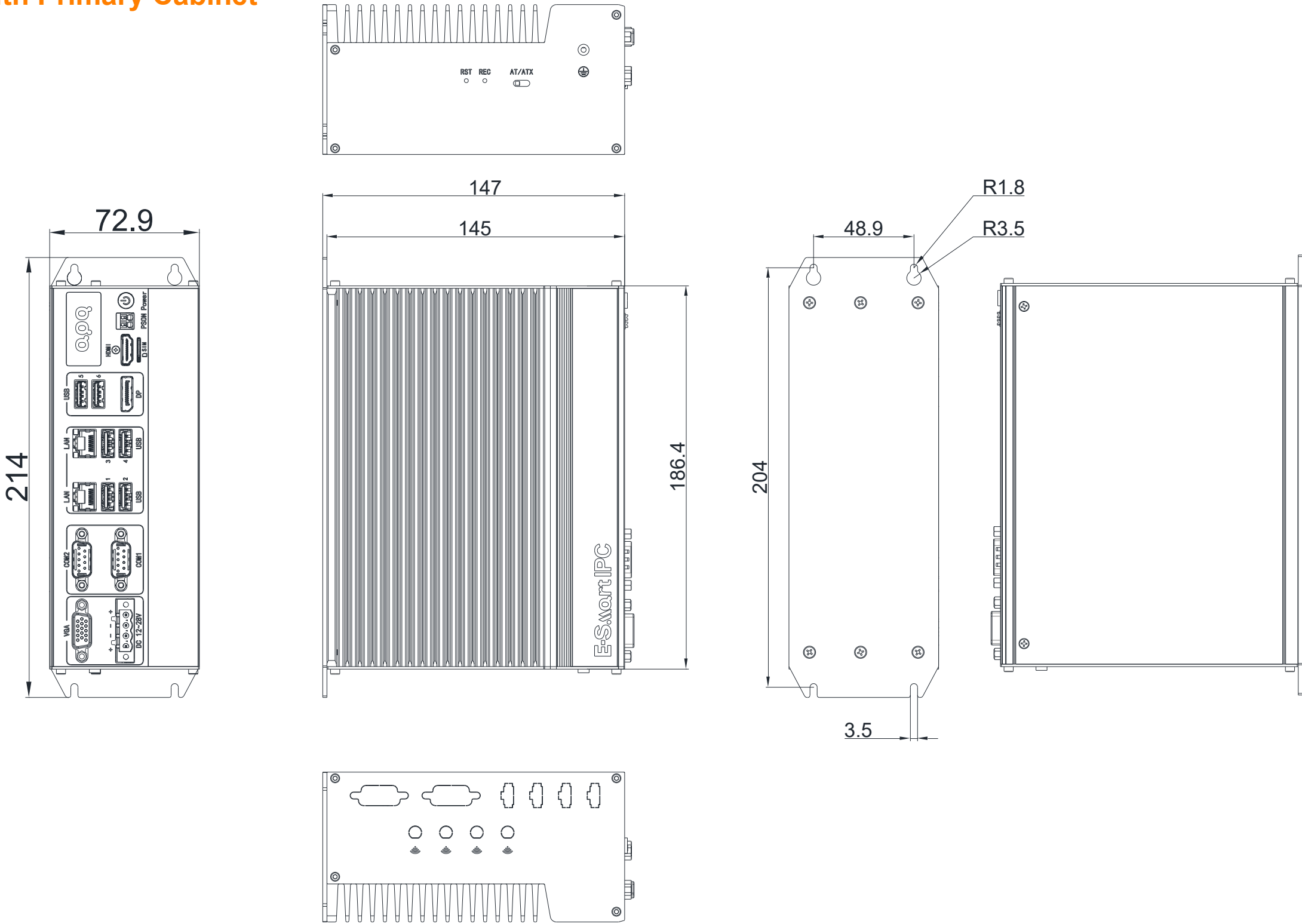
Model		AK5097A2	AK5305A2
CPU	CPU	Intel® Alder Lake N97	Intel® Alder Lake Core™ i3-N305
	Base Frequency	2.0 GHz	1 GHz
	Max Turbo Frequency	3.60 GHz	3.8GHz
	Cache	6MB	6MB
	Total Cores/Threads	4/4	8/8
	Chip	SOC	
	BIOS	AMI UEFI BIOS	
Memory	Socket	1 * DDR4 SO-DIMM Slot, up to 3200MHz	
	Max Capacity	32GB	
Graphics	Controller	Intel® UHD Graphics	
Ethernet	Controller	2 * Intel® i210-AT GbE LAN Chip (10/100/1000 Mbps)	
Storage	M.2	1 * M.2 Key-M (SATA3.0, 2280)	
Expansion Slots	Mini PCIe	1 * Mini PCIe (PCIe x1 Gen 2 + USB 2.0, with SIM card slot)	
	Optional Primary Cabinet	1A/1B/1C/1D/1E/2A/3A	
	Optional Secondary Cabinet	1E	
Front I/O	USB	4 * USB3.0 (Type-A) 2 * USB2.0 (Type-A)	
	Serial	2 * RS232/485 (COM1/2, DB9/M, Full lanes, BIOS switch)	
	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	
	Power	1 * DC Power Input	
	SIM	1 * Nano SIM Card slot (Mini PCIe module provide functional support)	
	Button	1 * Power Button + Power LED 1 * PS_ON Connector	
	Switch	1 * AT/ATX Mode Switch (Enable/Disable automatically power on)	
Bottom I/O	Button	1 * Reset (Hold down 0.2 to 1s to restart, 3s to clear CMOS) 1 * OS Rec (system recovery)	
	Switch	1 * AT/ATX Mode Switch (Enable/Disable automatically power on)	
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)	
	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)	
	Mounting	Wall mounted, DIN, Desktop	
Environment	Heat Dissipation System	Passive Heat Dissipation	
	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

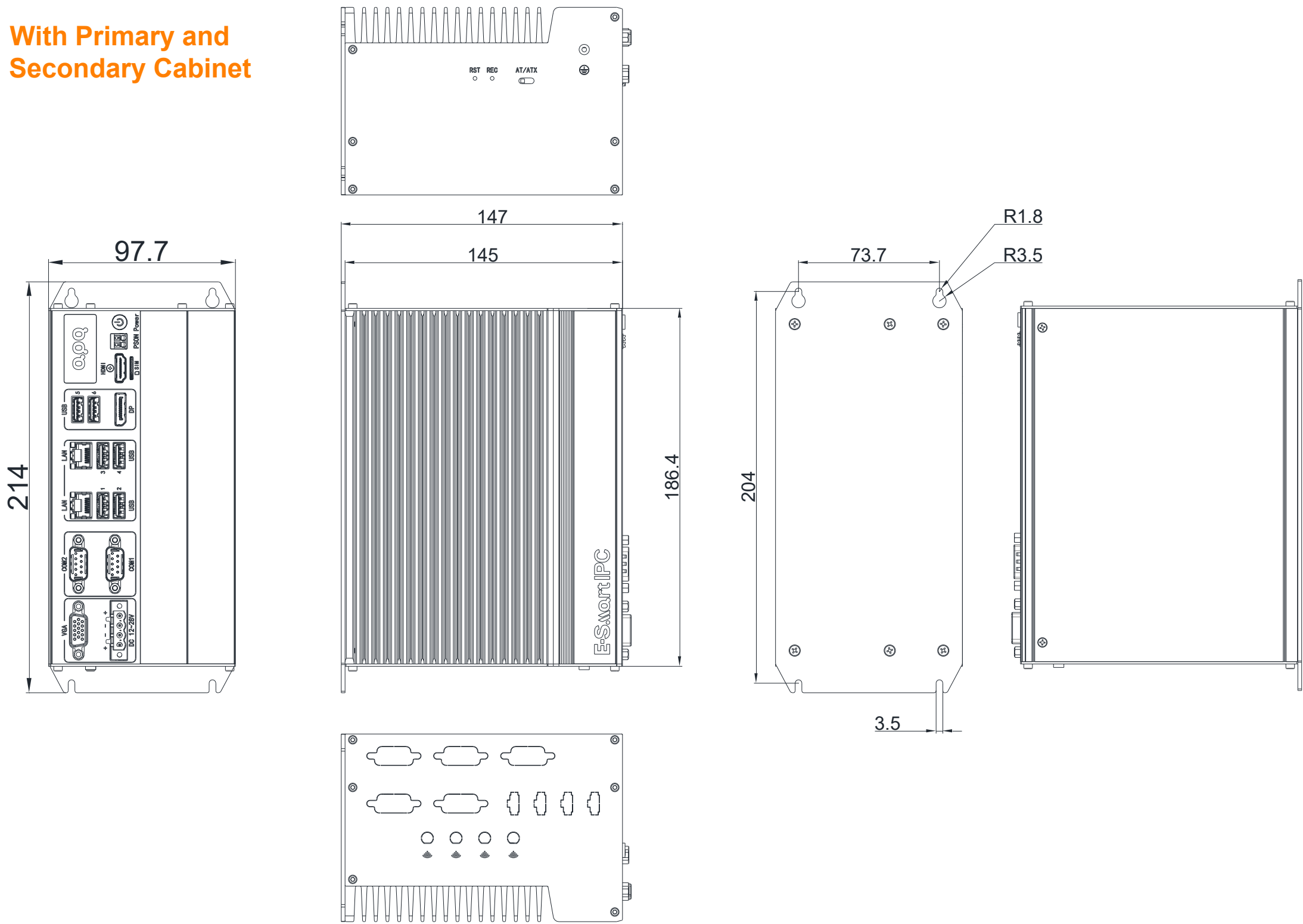
Box



With Primary Cabinet



With Primary and Secondary Cabinet



I/O

AK5XXXA2

