



### Features:

- Utilizes Intel® J6412/N97/N305 low-power processors
- Integrated dual Intel® Gigabit Ethernet ports
- Onboard 8GB LPDDR4 high-speed memory
- Two onboard display interfaces
- Dual hard drive storage support
- Supports 12~28V DC wide voltage power supply
- Supports WiFi/4G wireless expansion
- Ultra-compact chassis, fanless design, optional aDoor module



Remote Management



Status Monitoring



Remote Operations and Maintenance

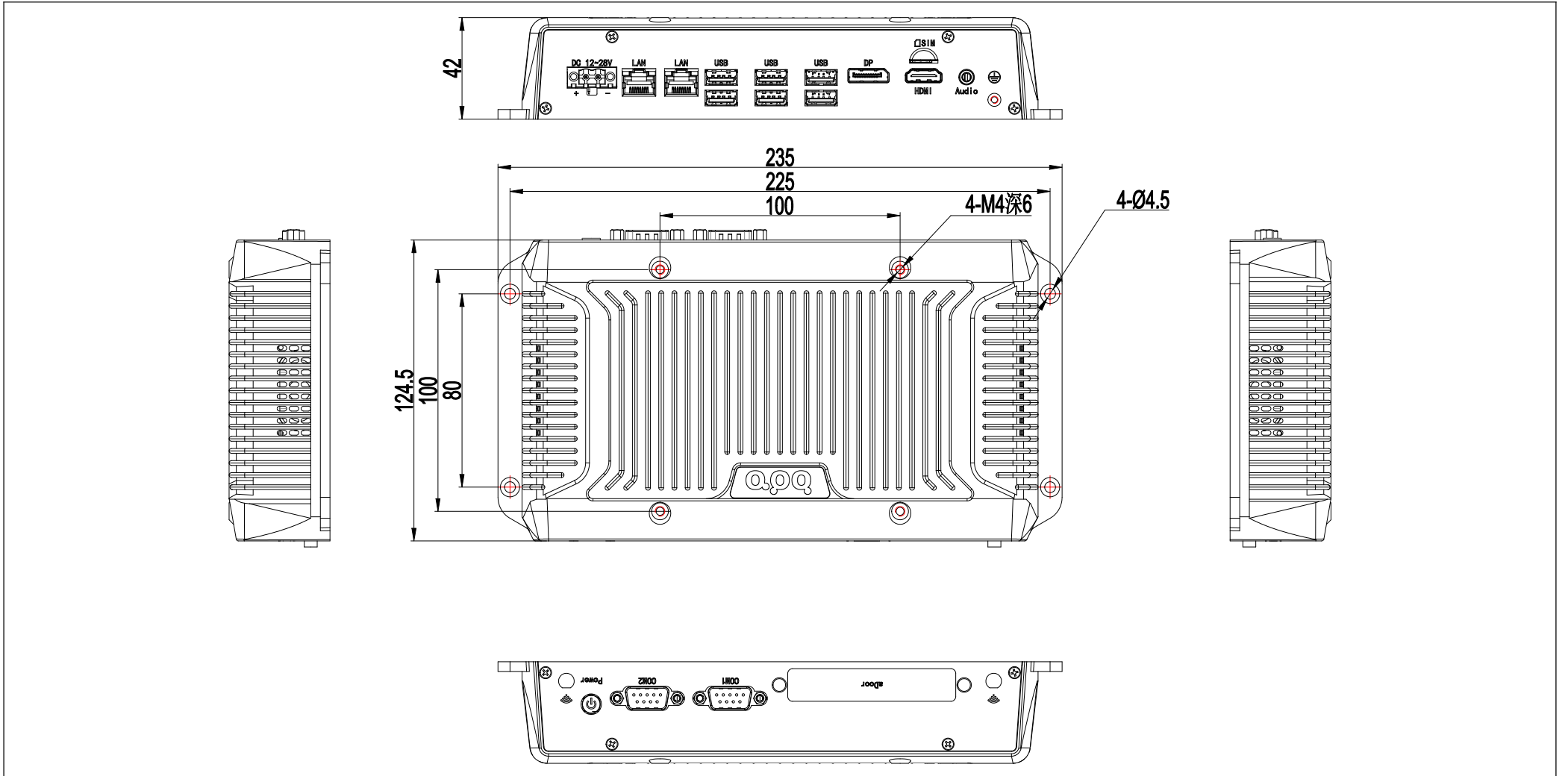


Security Control

## Product Specifications

Model	E5S			
Processor System	CPU	Intel® Elkhart Lake J6412	Intel® Alder Lake N97	Intel® Alder Lake N305
	Base Frequency	2.00 GHz	2.0 GHz	1 GHz
	Max Turbo Frequency	2.60 GHz	3.60 GHz	3.8GHz
	Cache	1.5MB	6MB	6MB
	Total Cores/Threads	4/4	4/4	8/8
	Chipset	SoC		
	BIOS	AMI UEFI BIOS		
Memory	Socket	LPDDR4 3200 MHz (Onboard)		
	Capacity	8GB		
Graphics	Controller	Intel® UHD Graphics		
Ethernet	Controller	2 * Intel® i210-AT (10/100/1000 Mbps, RJ45)		
Storage	SATA	1 * SATA3.0 Connector (2.5-inch hard disk with 15+7Pin)		
	M.2	1 * M.2 Key-M Slot (SATA SSD, 2280)		
Expansion Slots	aDoor	1 * aDoor		
	Mini PCIe	1 * Mini PCIe Slot (PCIe2.0x1+USB2.0)		
Front I/O	USB	4 * USB3.0 (Type-A) 2 * USB2.0 (Type-A)		
	Ethernet	2 * RJ45		
	Display	1 * DP++: max resolution up to 4096x2160@60Hz 1 * HDMI (Type-A): max resolution up to 2048x1080@60Hz		
	Audio	1 * 3.5mm Jack (Line-Out + MIC, CTIA)		
	SIM	1 * Nano-SIM Card slot (Mini PCIe module provides functional support)		
	Power	1 * Power Input Connector (12~28V)		
Rear I/O	Button	1 * Power Button with Power LED		
	Serial	2 * RS232/485 (COM1/2, DB9/M, BIOS control)		
Internal I/O	Front Panel	1 * Front Panel (3x2Pin, PHD2.0)		
	FAN	1 * SYS FAN (4x1Pin, MX1.25)		
	Serial	2 * COM (JCOM3/4, 5x2Pin, PHD2.0) 2 * COM (JCOM5/6, 5x2Pin, PHD2.0)		
	USB	2 * USB2.0 (F_USB2_1, 5x2Pin, PHD2.0) 2 * USB2.0 (F_USB2_2, 5x2Pin, PHD2.0)		
	Display	1 * LVDS/eDP (default LVDS, wafer, 25x2Pin 1.00mm)		
	Audio	1 * Speaker (2-W (per channel)/8-Ω Loads, 4x1Pin, PH2.0)		
	GPIO	1 * 16bits DIO (8xDI and 8xDO, 10x2Pin, PHD2.0)		
	LPC	1 * LPC (8x2Pin, PHD2.0)		
Power Supply	Type	DC		
	Power Input Voltage	12~28VDC		
	Connector	1 * 2Pin Power Input Connector (12~28V, P= 5.08mm)		
	RTC Battery	CR2032 Coin Cell		
OS Support	Windows	Windows 10/11		
	Linux	Linux		
Watchdog	Output	System Reset		
	Interval	Programmable 1 ~ 255 sec		
Mechanical	Enclosure Material	Radiator: Aluminum, Box: SGCC		
	Dimensions	235mm(L) * 124.5mm(W) * 42mm(H)		
	Weight	Net: 1.2Kg, Total: 2.2Kg (include packaging)		
	Mounting	VESA, Wallmount, Desk mounting		
Environment	Heat Dissipation System	Passive heat dissipation		
	Operating Temperature	-20~60°C		
	Storage Temperature	-40~80°C		
	Relative Humidity	5 to 95% 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 Dimensions



## Product I/O

