



## Features:

- Supports Intel® 12/13th Gen Core / Pentium/ Celeron Desktop CPU, TDP 35W, LGA1700
- Equipped with Intel® H610 chipset
- 2 Intel network interfaces (1\*1GbE & 1\*2.5GbE)
- 3 display outputs: HDMI, DP++, and internal LVDS, supporting up to 4K@60Hz resolution
- Rich USB, serial port expansion interfaces, and PCIe, mini PCIe, M.2 expansion slots
- Fanless passive cooling



Remote Management



Status Monitoring



Remote Operations and Maintenance



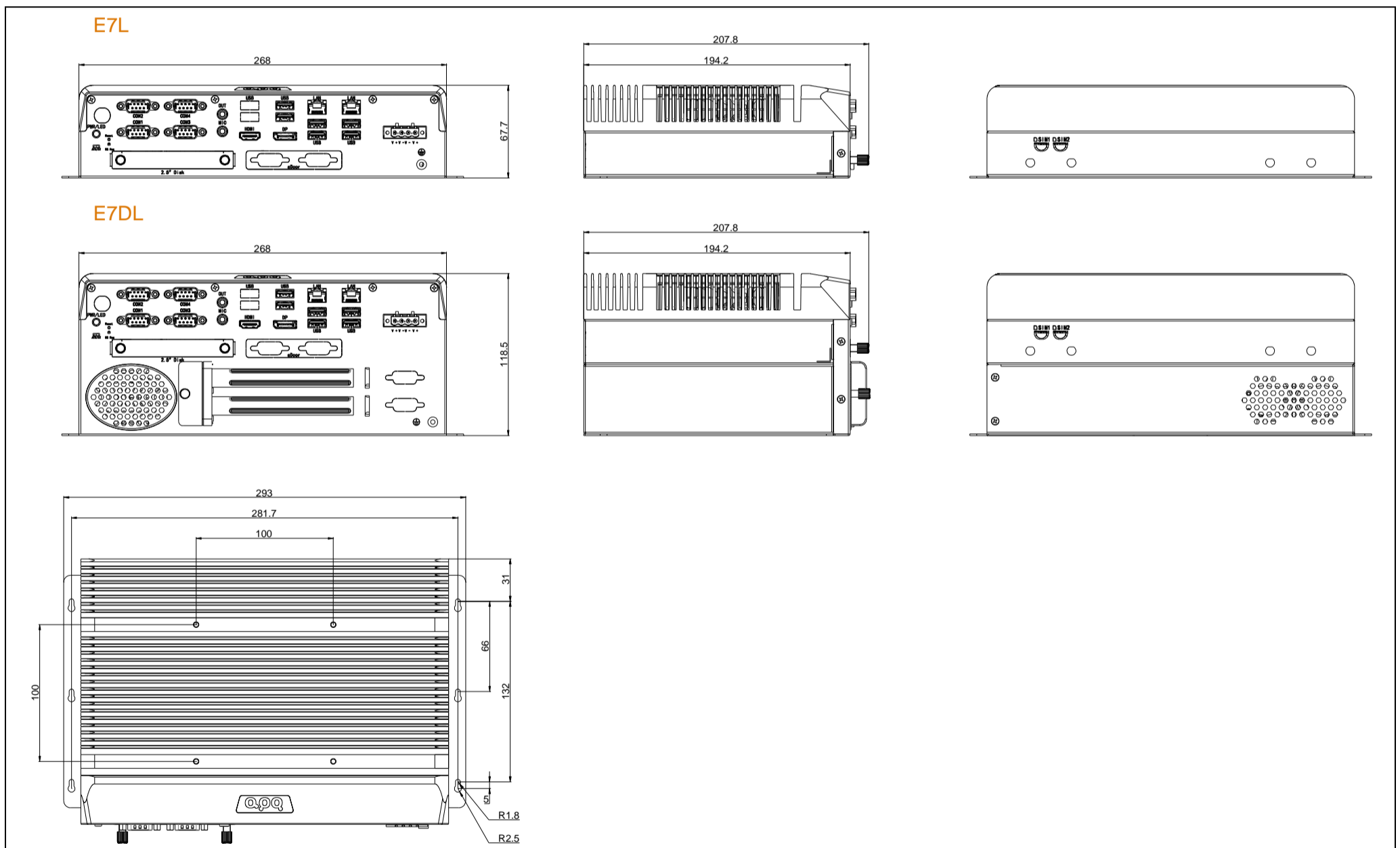
Security Control

## Product Specifications

	Model	E7L	E7DL
CPU	CPU	Intel® 12/13th Generation Core / Pentium/ Celeron Desktop CPU	
	TDP	35W	
	Socket	LGA1700	
	Chipset	H610	
	BIOS	AMI 256 Mbit SPI	
Memory	Socket	2 * Non-ECC SO-DIMM Slot, Dual Channel DDR4 up to 3200MHz	
	Max Capacity	64GB, Single Max. 32GB	
Graphics	Controller	Intel® UHD Graphics	
Ethernet	Controller	1 * Intel i219-LM/V 1GbE LAN Chip (LAN1, 10/100/1000 Mbps)	
		1 * Intel i225-V/LM 2.5GbE LAN Chip (LAN2, 10/100/1000/2500 Mbps)	
Storage	SATA	1 * SATA3.0, Quick release 2.5" hard disk bays (T≤7mm)	
		1 * SATA3.0, Internal 2.5" hard disk bays (T≤9mm, Optional)	
	M.2	1 * M.2 Key-M (SATA3.0, 2280)	
Expansion Slots	PCIe Slot	N/A	①: 1 * PCIe x16 (x16) ②: 2 * PCI PS: ①、②One out of two, Expansion card length ≤ 185mm, TDP ≤ 130W
	aDoor	1 * aDoor Bus (Optional 4 * LAN/4 * POE/6 * COM/16 * GPIO expansion card)	
	Mini PCIe	1 * Mini PCIe (PCIe3.0 x1 + USB 2.0, with 1*Nano SIM Card)	
Front I/O	Ethernet	2 * RJ45	
	USB	2 * USB3.2 Gen2x1 (Type-A, 10Gbps)	
		2 * USB3.2 Gen1x1 (Type-A, 5Gbps)	
		2 * USB2.0 (Type-A)	
	Display	1 * HDMI1.4b: max resolution up to 4096*2160 @ 30Hz	
		1 * DP1.4a: max resolution up to 4096*2160 @ 60Hz	
	Audio	2 * 3.5mm Jack (Line-Out + MIC)	
Serial	2 * RS232/422/485 (COM1/2, DB9/M, Full Lanes, BIOS Switch)		
	2 * RS232 (COM3/4, DB9/M, Full Lanes)		
Button	1 * Power Button + Power LED		
	1 * AT/ATX Button		
	1 * OS Recover Button		
	1 * System Reset Button		
Rear I/O	Antenna	4 * Antenna hole	
	SIM	1 * Nano SIM card slot (SIM1)	
Internal I/O	USB	6 * USB2.0 (wafer)	
	LCD	1 * LVDS (wafer): max resolution up to 1920*1200 @ 60Hz	
	Front Panel	1 * FPanel (PWR + RST + LED, wafer)	
	Audio	1 * Audio (Header)	
		1 * Speaker (2-W (per channel)/8-Ω Loads, wafer)	
	Serial	2 * RS232 (COM5/6, wafer)	
	GPIO	1 * 16 bits DIO (8xDI and 8xDO, wafer)	
	LPC	1 * LPC (wafer)	
	SATA	3 * SATA 7P Connector, up to 600MB/s	
	SATA Power	3 * SATA Power (wafer)	
FAN	1 * CPU FAN (wafer)		
	2 * SYS FAN (KF2510-4A)		

<b>Power Supply</b>	Type	DC, AT/ATX	
	Power Input Voltage	9~36VDC, P≤240W 18~60VDC, P≤400W	
	Connector	1 * 4Pin Connector, P=5.00/5.08	
	RTC Battery	CR2032 Coin Cell	
<b>OS Support</b>	Windows	Windows 10/11	
	Linux	Linux	
<b>Watchdog</b>	Output	System Reset	
	Interval	Programmable 1 ~ 255 sec	
<b>Mechanical</b>	Enclosure Material	Radiator: Aluminum alloy, Box: SGCC	
	Dimensions	268mm(L) * 194.2mm(W) * 67.7mm(H)	268mm(L) * 194.2mm(W) * 118.5mm(H)
	Weight	Net: 4.5 kg Total: 6 kg (Include packaging)	Net: 4.7kg Total: 6.2 kg (Include packaging)
	Mounting	VESA, Wall mounted, Desktop	
<b>Environment</b>	Heat Dissipation System	Fanless Passive Cooling	
	Operating Temperature	-20 ~ 60°C (Industrial SSD)	
	Storage Temperature	-40 ~ 80°C (Industrial SSD)	
	Relative Humidity	10 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)	
	Certification	CE/FCC, RoHS	

## Product Dimensions



## Product I/O

