



Features:

- Supports Intel® 4/5th Gen Core / Pentium/ Celeron Desktop CPU, TDP 65W, LGA1150
- Equipped with Intel® H81 chipset
- 2 Intel Gigabit network interfaces
- 4 DB9 serial ports (COM1/2 support RS232/RS422/RS485)
- M.2 and 2.5-inch dual hard drive storage support
- 4-way display outputs: VGA, DVI-D, DP++, and internal LVDS, supporting up to 4K@60Hz resolution
- MXM, aDoor module expansion support
- 9~36V DC power supply (optional 12V)
- PWM smart fan active cooling



Remote Management



Status Monitoring



Remote Operations and Maintenance



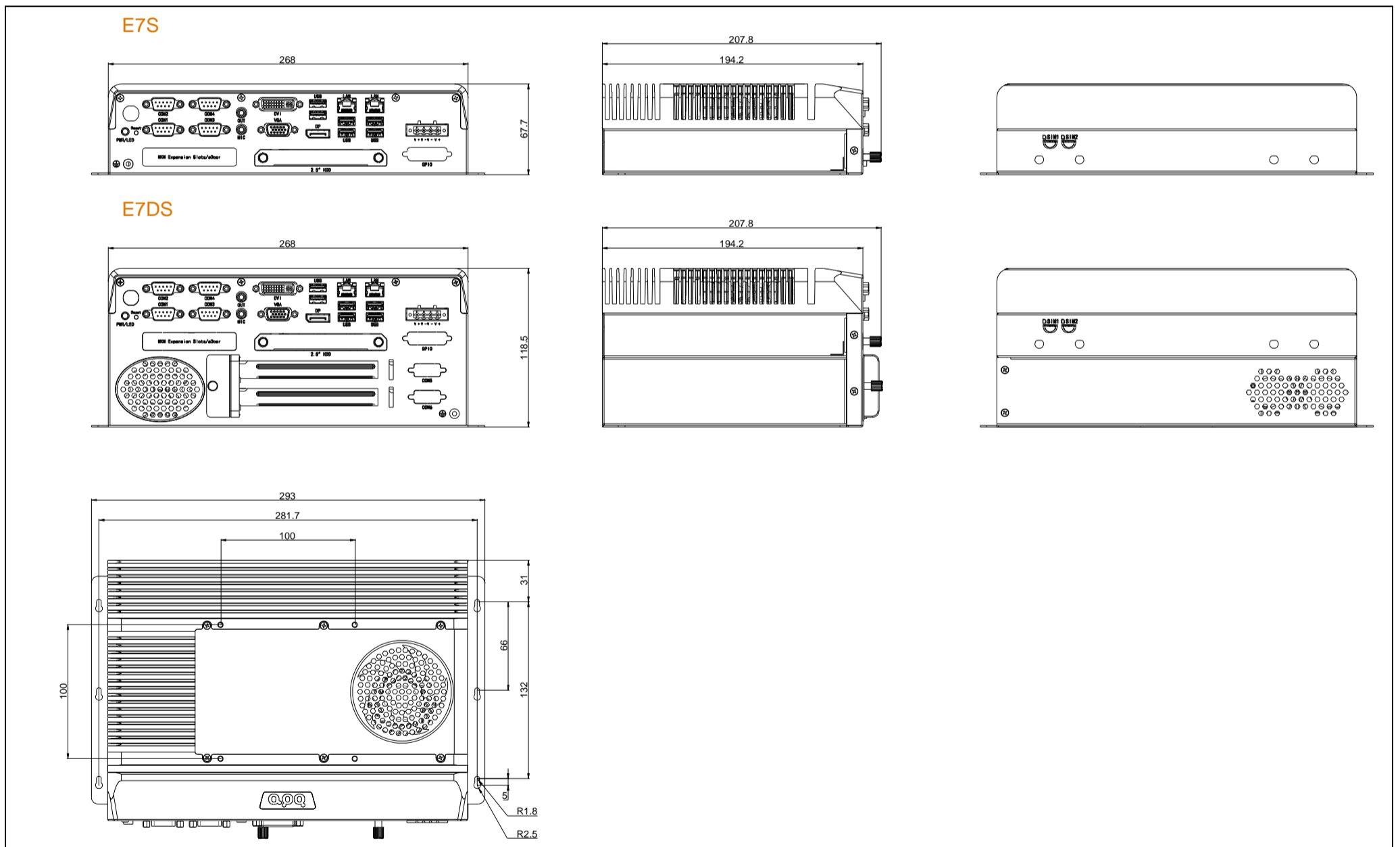
Security Control

Product Specifications

Model		E7S	E7DS
CPU	CPU	Intel® 4/5th Generation Core / Pentium/ Celeron Desktop CPU	
	TDP	65W	
	Socket	LGA1150	
Chipset	Chipset	Intel® H81	
BIOS	BIOS	AMI UEFI BIOS (Support Watchdog Timer)	
Memory	Socket	2 * Non-ECC SO-DIMM Slot, Dual Channel DDR3 up to 1600MHz	
	Max Capacity	16GB, Single Max. 8GB	
Graphics	Controller	Intel® HD Graphics	
Ethernet	Controller	1 * Intel i210-AT GbE LAN Chip (10/100/1000 Mbps)	
		1 * Intel i218-LM/V GbE LAN Chip (10/100/1000 Mbps)	
Storage	SATA	1 * SATA3.0, Quick release 2.5" hard disk bays (T≤7mm) 1 * SATA2.0, Internal 2.5" hard disk bays (T≤9mm, Optional)	
	M.2	1 * M.2 Key-M (SATA3.0, 2280)	
Expansion Slots	PCIe/PCI	N/A	①: 1 * PCIe x16 (x16) ②: 2 * PCI PS: ①、②One out of two, Expansion card length ≤ 185mm, TDP ≤ 130W
	MXM/aDoor	1 * APQ MXM /aDoor Bus (Optional MXM 4 * LAN/4 * POE/6 * COM/16 * GPIO expansion card) 1 * aDoor Expansion Slot	
	Mini PCIe	1 * Mini PCIe (PCIe2.0 x1 (Share PCIe signal with MXM, optional) + USB 2.0, with 1*Nano SIM Card)	
Front I/O	Ethernet	2 * RJ45	
	USB	2 * USB3.0 (Type-A, 5Gbps) 4 * USB2.0 (Type-A)	
	Display	1 * DVI-D: max resolution up to 1920*1200 @ 60Hz	
		1 * VGA (DB15/F): max resolution up to 1920*1200 @ 60Hz	
		1 * DP: 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)			
Button	1 * Power Button + Power LED		
	1 * System Reset Button (Hold down 0.2 to 1s to restart, and hold down 3s to clear CMOS)		
Rear I/O	Antenna	4 * Antenna hole	
	SIM	1 * Nano SIM card slot (SIM1)	
Internal I/O	USB	2 * USB2.0 (wafer)	
	LCD	1 * LVDS (wafer): max resolution up to 1920*1200 @ 60Hz	
	TFront Panel	1 * TF_Panel (3 * USB 2.0 + FPANEL, wafer)	
	Front Panel	1 * Front Panel (wafer)	
	Speaker	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	2 * SATA 7P Connector	
SATA Power	2 * SATA Power (SATA_PWR1/2, wafer)		

	FAN	1 * CPU FAN (wafer) 2 * SYS FAN (wafer)	
Power Supply	Type	DC, AT/ATX	
	Power Input Voltage	9 ~ 36VDC, P≤240W	
	Connector	1 * 4Pin Connector, P=5.00/5.08	
	RTC Battery	CR2032 Coin Cell	
OS Support	Windows	Windows 7/10/11	
	Linux	Linux	
Watchdog	Output	System Reset	
	Interval	Programmable via Software from 1 to 255 sec	
Mechanical	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	
Environment	Heat Dissipation System	PWM Air 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	CCC, CE/FCC, RoHS	

Product Dimensions



Product I/O

