

Features:

- Supports Intel® 6th to 9th Gen Core / Pentium / Celeron Desktop CPU, TDP 65W, LGA1700
- Equipped with Intel® Q170 chipset
- 2 Intel Gigabit Ethernet interfaces
- 2 DDR4 SO-DIMM slots, supporting up to 64GB
- 4 DB9 serial ports (COM1/2 support RS232/RS422/RS485)
- M.2 and 2.5-inch triple hard drive storage support
- 3 display outputs VGA, DVI-D, DP, supporting up to 4K@60Hz resolution
- 4G/5G/WIFI/BT wireless functionality expansion support
- MXM, aDoor module expansion support
- Optional PCIe/PCI standard expansion slot support
- DC18-60V wide voltage input, rated power options of 600/800/1000W



Remote Management



Status Monitoring



Remote Operations and Maintenance



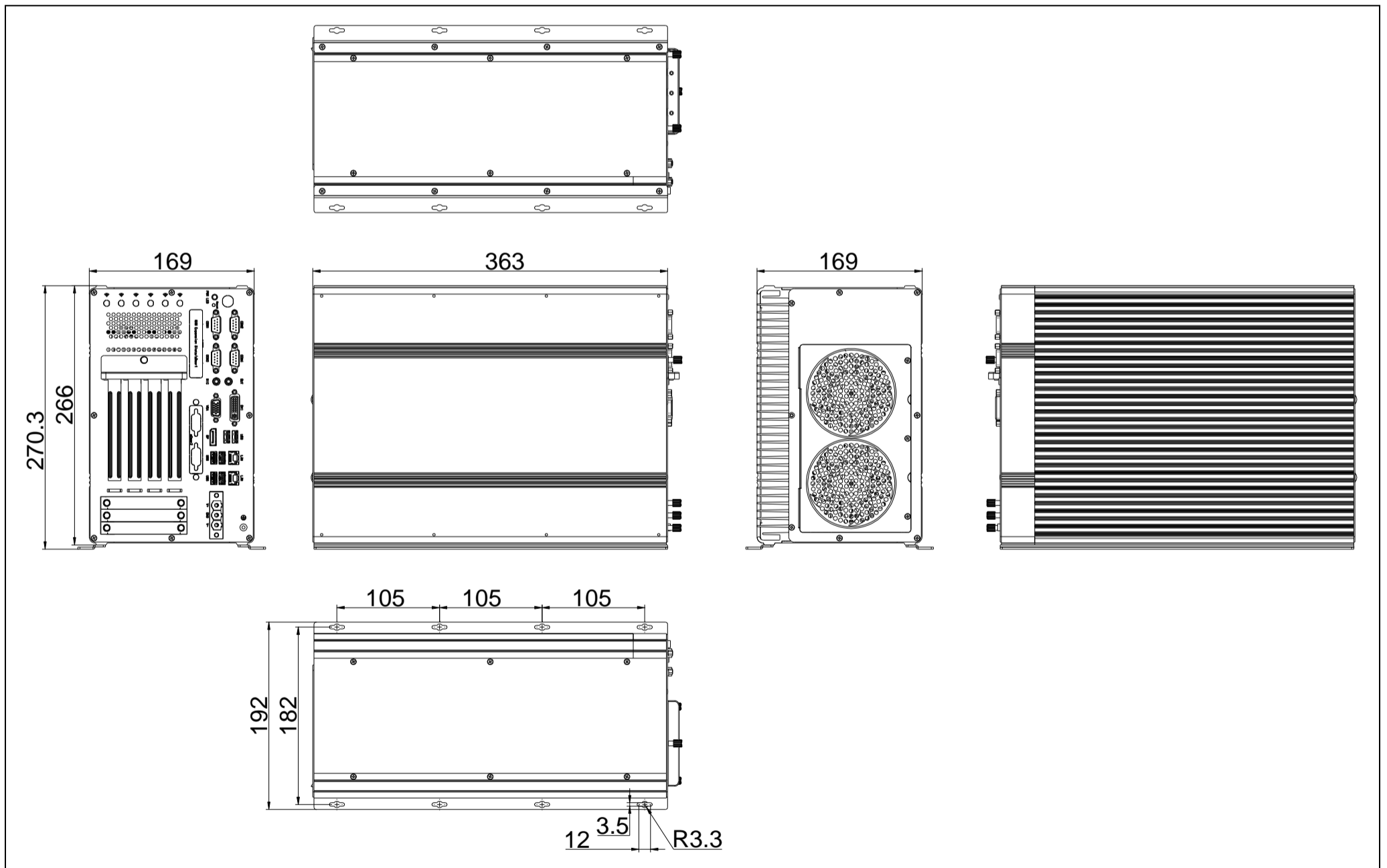
Security Control

Product Specifications

Model		E7 Pro
CPU	CPU	Intel® 6/7/8/9th Generation Core / Pentium/ Celeron Desktop CPU
	TDP	65W
	Socket	LGA1151
	Chipset	Q170
	BIOS	AMI UEFI BIOS (Support Watchdog Timer)
Memory	Socket	2 * Non-ECC U-DIMM Slot, Dual Channel DDR4 up to 2133MHz
	Max Capacity	64GB, Single Max. 32GB
Graphics	Controller	Intel® HD Graphics
Ethernet	Controller	1 * Intel i210-AT GbE LAN Chip (10/100/1000 Mbps)
		1 * Intel i219-LM/V GbE LAN Chip (10/100/1000 Mbps)
Storage	SATA	3 * SATA3.0, Quick release 2.5" hard disk bays (T≤7mm), Support RAID 0, 1, 5
	M.2	1 * M.2 Key-M (PCIe x4 Gen 3 + SATA3.0, NVMe/SATA SSD Auto Detect, 2242/2260/2280)
Expansion Slots	PCIe Slot	①: 2 * PCIe x16 (x8/x8) + 2 * PCI
		②: 2 * PCIe x16 (x8/x8) + 1 * PCIe x4 (x4)
	PS: ①、② One out of two, Expansion card length ≤ 320mm, TDP ≤ 450W	
	aDoor/MXM	1 * aDoor Bus (Optional 4 * LAN/4 * POE/6 * COM/16 * GPIO expansion card)
	Mini PCIe	1 * Mini PCIe (PCIe x1 Gen 2 + USB 2.0, with 1 * SIM Card)
Front I/O	M.2	1 * M.2 Key-B (PCIe x1 Gen 2 + USB3.0, with 1 * SIM Card, 3042/3052)
	Ethernet	2 * RJ45
		USB
	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	6 * Antenna hole
Internal I/O	USB	2 * USB2.0(wafer, Internal I/O)
	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 * FPanel (PWR + RST + LED, wafer)
	Speaker	1 * Speaker (2-W (per channel)/8-Ω Loads, wafer)
	Serial	2 * RS232 (COM5/6, wafer, 8x2pin, PHD2.0)
	GPIO	1 * 16bit GPIO (wafer)
	LPC	1 * LPC (wafer)
	SATA	3 * SATA3.0 7P Connector
	SATA Power	3 * SATA Power (SATA_PWR1/2/3, wafer)

	SIM	2 * Nano SIM
	FAN	2 * SYS FAN (wafer)
Power Supply	Type	DC, AT/ATX
	Power Input Voltage	18~60VDC, P=600/800/1000W (Default 800W)
	Connector	1 * 3Pin Connector, P=10.16
	RTC Battery	CR2032 Coin Cell
OS Support	Windows	6/7th Core™: Windows 7/10/11 8/9th Core™: Windows 10/11
	Linux	Linux
Watchdog	Output	System Reset
	Interval	Programmable 1 ~ 255 sec
Mechanical	Enclosure Material	Radiator: Aluminum alloy, Box: SGCC
	Dimensions	363mm(L) * 270mm(W) * 169mm(H)
	Weight	Net: 10.48 kg Total: 11.38 kg (Include packaging)
	Mounting	Wall mounted, Desktop
Environment	Heat Dissipation System	Fanless Passive Cooling (CPU) 2 * 9cm PWM FAN (Internal)
	Operating Temperature	-20~60℃ (Industrial SSD)
	Storage Temperature	-40~80℃ (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

