

Features:

- Supports Intel® 12th/13th Gen Core / Pentium/ Celeron Desktop CPU, TDP 65W, LGA1700
- Equipped with Intel® Q670 chipset
- Dual networking (11GbE & 12.5GbE)
- Triple display outputs HDMI, DP++ and internal LVDS, supporting up to 4K@60Hz resolution
- Rich USB, serial port expansion interfaces, and expansion slots including PCIe, mini PCIe, and M.2
- DC18-60V wide voltage input, with rated power options of 600/800/1000W
- Fanless passive cooling



Remote Management



Status Monitoring



Remote Operations and Maintenance



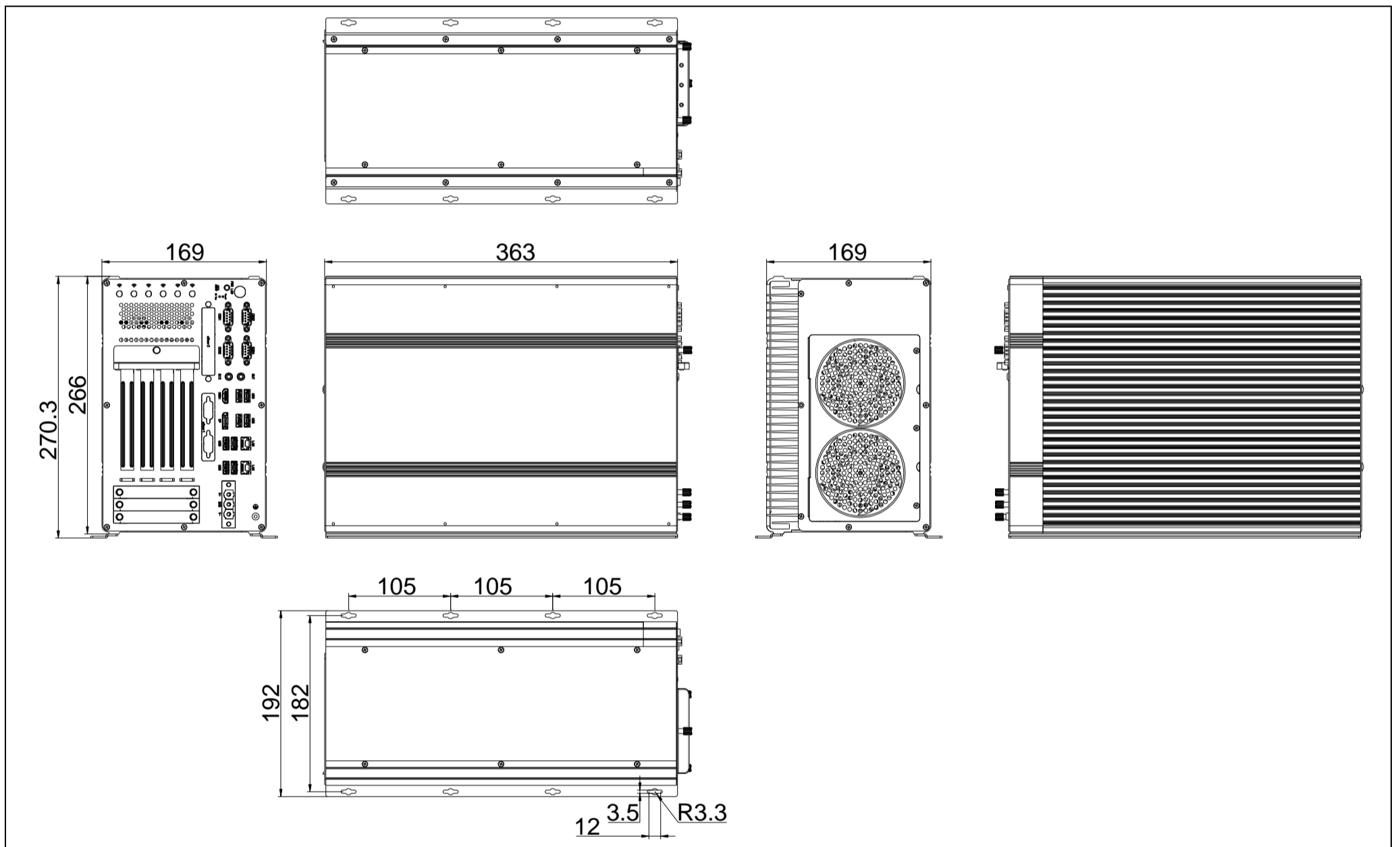
Security Control

Product Specifications

Model		E7 Pro
CPU	CPU	Intel® 12th /13th Gen Core/Pentium/Celeron desktop processor
	TDP	65W
	Socket	LGA1700
	Chipset	Q670
	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 1GbE LAN Chip (LAN1, 10/100/1000 Mbps, RJ45) 1 * Intel i225-V 2.5GbE LAN Chip (LAN2, 10/100/1000/2500 Mbps, RJ45)
	Storage	3 * SATA3.0, Quick release 2.5" hard disk bays (T≤7mm), Support RAID 0, 1, 5
Expansion Slots	SATA	1 * M.2 Key-M (PCIe x4 Gen 4 + SATA3.0, NVMe/SATA SSD Auto Detect, 2242/2260/2280)
	M.2	1 * M.2 Key-M (PCIe x4 Gen 4 + SATA3.0, NVMe/SATA SSD Auto Detect, 2242/2260/2280)
	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	1 * aDoor Bus (Optional 4 * LAN/4 * POE/6 * COM/16 * GPIO expansion card)
	Mini PCIe	2 * Mini PCIe (PCIe x1 Gen 3 + USB 2.0, with 1 * SIM Card)
Front I/O	M.2	1 * M.2 Key-E (PCIe x1 Gen 3 + USB 2.0, 2230)
	Ethernet	2 * RJ45
	USB	2 * USB3.2 Gen 2x1 (Type-A, 10Gbps) 6 * USB3.2 Gen 1x1 (Type-A, 5Gbps)
	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 * RS232/485/422 (COM1/2, DB9/M, Full Lanes, BIOS Switch) 2 * RS232 (COM3/4, DB9/M, Full Lanes)
	Button	1 * Power Button/LED 1 * AT/ATX Button 1 * OS Recover Button 1 * System Reset Button
Rear I/O	Antenna	6 * Antenna hole
Internal I/O	USB	6 * USB2.0 (wafer, Internal I/O)
	LCD	1 * LVDS (wafer): LVDS 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)
	SIM	2 * Nano SIM
Power Supply	FAN	2 * SYS FAN (4x1Pin, KF2510-4A)
	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	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°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)

Product Dimensions



Product I/O

