



### Features:

- Utilizes Intel® Celeron® J1900 ultra-low power processor
- Integrates dual Intel® Gigabit network cards
- Two onboard display interfaces
- Onboard with 6 COM ports, supports two isolated RS485 channels
- Supports WiFi/4G wireless expansion
- Supports APQ MXM COM/GPIO module expansion
- Supports 12~28V DC wide voltage power supply



Remote Management



Status Monitoring



Remote Operations and Maintenance



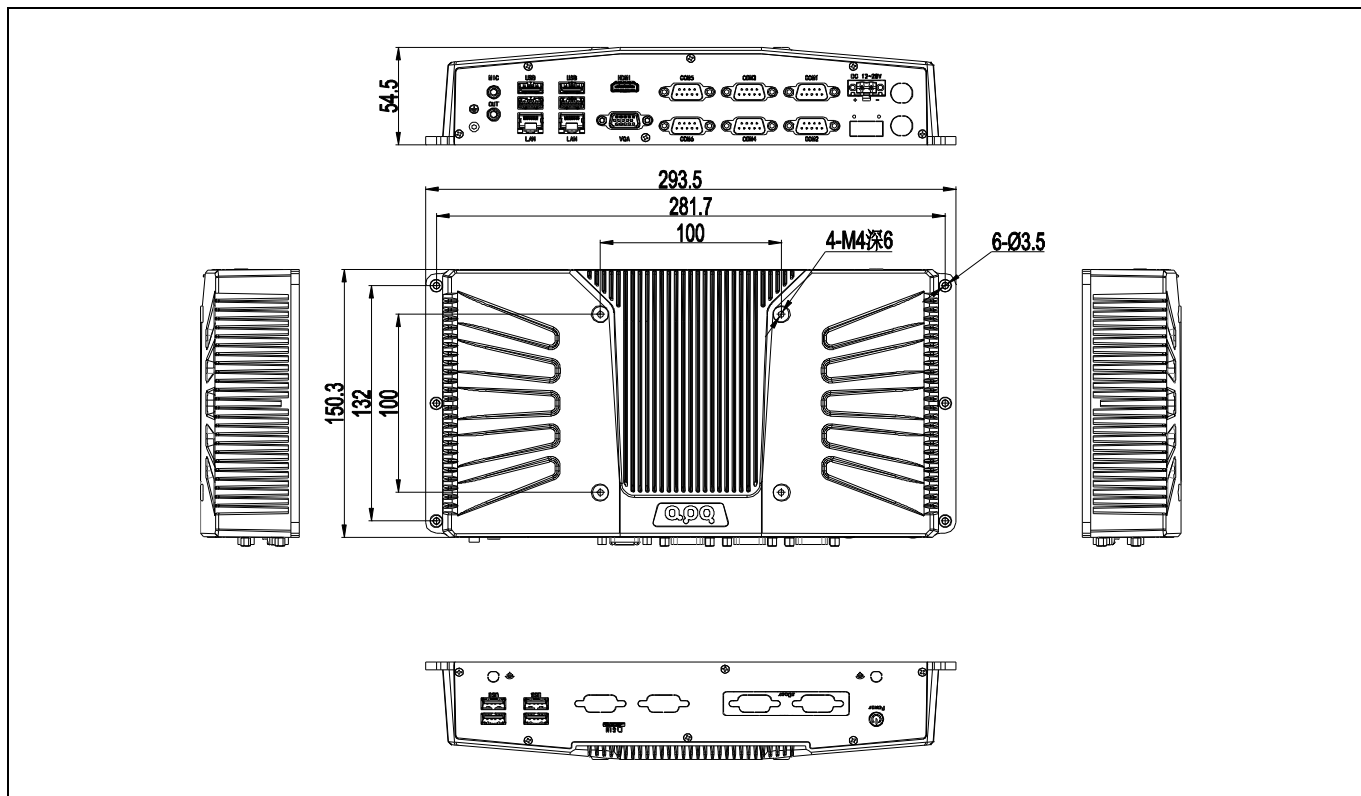
Security Control

## Product Specifications

Model	E5M	
Processor System	CPU	Intel® Celeron® Processor J1900, FCBGA1170
	TDP	10W
	Chipset	SOC
	BIOS	AMI UEFI BIOS
Memory	Socket	1 * DDR3L-1333MHz SO-DIMM Slot
	Max Capacity	8GB
Graphics	Controller	Intel® HD Graphics
Ethernet	Controller	2 * Intel® i210-AT (10/100/1000 Mbps, RJ45)
Storage	SATA	1 * SATA2.0 Connector (2.5-inch hard disk with 15 + 7pin)
	M.2	1 * M.2 Key-M Slot (support SATA SSD, 2280)
Expansion Slots	MXM/aDoor	1 * MXM Slot (LPC + GPIO, support COM/GPIO MXM card)
	Mini PCIe	1 * Mini PCIe Slot (PCIe2.0 + USB2.0, with 1 * Nano SIM Card)
Front I/O	USB	1 * USB3.0 (Type-A) 3 * USB2.0 (Type-A)
	Ethernet	2 * RJ45
	Display	1 * VGA: max resolution up to 1920*1280 @ 60Hz 1 * HDMI: max resolution up to 1920*1280 @ 60Hz

	Audio	1 * 3.5mm Line-out Jack 1 * 3.5mm MIC Jack
	Serial	2 * RS232/485 (COM1/2, DB9/M) 4 * RS232 (COM3/4/5/6, DB9/M)
	Power	1 * 2Pin Power Input Connector (12~28V, P= 5.08mm)
<b>Rear I/O</b>	USB	4 * USB2.0 (Type-A)
	SIM	1 * Nano SIM Card slot
	Button	1 * Power Button with LED
<b>Internal I/O</b>	Front Panel	1 * TFront Panel (3 * USB2.0 + Front Panel, wafer) 1 * Front Panel (wafer)
	FAN	1 * SYS FAN (wafer)
	LPC	1 * LPC (wafer)
	PS/2	1 * PS/2 (PS/2 keyboard + mouse, wafer)
	USB	2 * USB2.0 (wafer)
	Power	1 * DCIN (Power input, wafer)
	Display	1 * LVDS/eDP (Default LVDS, wafer)
	GPIO	1 * 16bits DIO (8xDI and 8xDO, wafer)
<b>Power Supply</b>	Type	DC
	Power Input Voltage	12~28VDC
	Connector	1 * 2Pin Power Input Connector (12~28V, P= 5.08mm)
	RTC Battery	CR2032 Coin Cell
<b>OS Support</b>	Windows	Windows 7/8.1/10
	Linux	Linux
<b>Watchdog</b>	Output	System Reset
	Interval	Programmable 1 ~ 255 sec
<b>Mechanical</b>	Enclosure Material	Radiator: Aluminum alloy, Box: SGCC
	Dimensions	293.5mm(L) * 149.5mm(W) * 54.5mm(H)
	Weight	Net: 2.1Kg Total: 3.1Kg (include packaging)
	Mounting	VESA, Wall mounted, Desk mounting
<b>Environment</b>	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)
	Certification	CE/FCC, RoHS

## Product Dimensions



## Product I/O

