GE-901EI-PL

GE-901EI-PL is a workstation level edge computing system. Equipped with industry-level Intel ® Q170 system chip， can be equipped with Intel ® Xeon ®/ Core ™ Desktop processor(6th/7th/8th/9th Gen), 2*DDR4 2400/2666MHz. Dual channel memory，maximum Support 64GB. VGA+DP+HDMI, 3 Display interface, 3*LAN,6*USB3.1, 1*M.2 B-Key. Support WIFI/BT. 1*M.2 E-Key，Support 5G/4G. 1*M.2 2280 M-Key, support NVMe storage，2*2.5"SATA3 hard drive rack，support RAID0,1。Workstation level system efficiency, complete function configuration, rich expansion flexibility, and industrial control level product design are very suitable for industrial automation, AI edge computing, small intelligent workstations, multimedia service systems, high-precision machine vision and other industries.
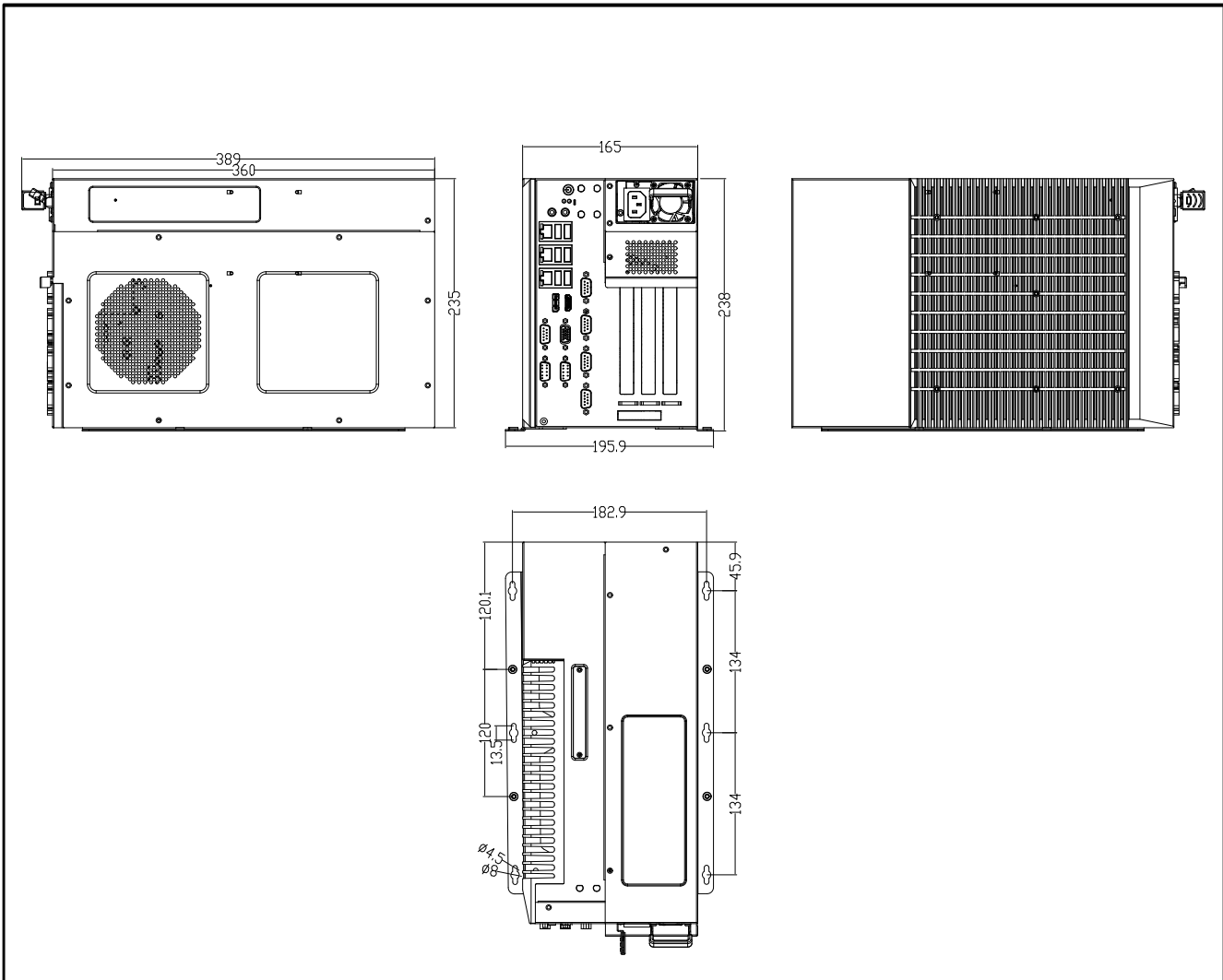
Product Features

◆Industry level Intel ® Q170 system chip, can be equipped with Intel ® Xeon ®/ Core ™ Desktop processor(6th/7th/8th/9th Gen)

◆2*DDR4 SO-DIMM，Maximum support 32GB，Dual channel support

◆VGA\HDMI\DP，Maximum support 4K 60Hz

◆1*M.2 B-Key support 5G/4G, 1*M.2 E-Key support WIFI

◆1*PCIe expansion slot supports up to 125W graphics cards（The length of the graphics card needs to be less than 230mm）

◆1*M.2 M-Key Storage interface，support SATA3.0 /NVMe

◆1* 2.5" Hard drive extraction box，Built in a 2.5" hard drive that supports SATA3.0

◆ 3*intel High performance Gigabit Ethernet port， Maximum support 9Ethernet port

◆4*COM(COM2/3 RS-232/422/485),Maximum support 10COM

◆6*USB 3.0，Maximum support 14 USB

◆ Wide voltage power supply DC 9-48V, with short circuit, overvoltage and overcurrent protection

Product specifications

System	CPU	Intel® 6th/7th/8th/9th Gen Core™ i7/i5/i3/Pentium/Celeron LGA1151 processor , Maximum 8 cores and 16 threads
	Chipset	Intel® Q170 Chipset
	System Memory	2*260-Pin SODIMM, DDR4 2666/2400MHz, Maximum support 64GB
	Extension Interface	1 * USB2.0 built-in, supporting dongles
		1 * M.2 E-Key 2230, supporting Gigabit WFI modules
		1 * M.2 B-Key can support PCIe/USB/external SIM card and wireless functions such as 4G
		1 * PCIe X16, from CPU, gen3.0, supports 1 × 16 or 2 × 8 or 1 × 8+2 × four
	Display	Intel UHD Graphics, Supports DirectX11.1, OpenGL 5.0 and OpenCL 2.1 or PCIe X16 graphics card display interface DP , maximum resolution 4096* 2304@60Hz , HDMI maximum resolution 4096* 2160@24Hz ,VGA with a maximum resolution of 1900* 1200@60Hz
	Audio Frequency	Realtek ALC662 high-definition audio, Audio out and MIC, supporting 5.1 channels
	Ethernet	1 * Intel I211AT PCIe Gigabit Network; 10/100/1000Mbps adaptive 1 * Intel I211AT PCIe Gigabit Network; 10/100/1000Mbps adaptive 1 * Intel I219LM PCIe Gigabit Network; Support for iAMT12.0
	Storage	1 * 2.5 "SATA3 hard drive extraction box, supporting up to 6GB bit/second 1 * 2.5 "HDD, 5-9.5mm, built-in 1 * M.2 M-Key storage interface, supporting M.2 2242/2280 NVME PCIE standard SSD
	Expansion sub board	Optional USB 3.0/2.0, RJ45, 16 bit GPIO, remote switch and status indicator light, or serial port
	I/O	3*RJ45 Giga-LAN 6 * USB3.0 TYPE A, supporting up to 5G bit/second, 4 * USB2.0 built-in pin, 1 * LPT built-in pin, 1 * PS/2 built-in pin 2 * RS232/422/485 is set through BIOS, with 2 * RS232 and 2 * RS232 built-in pins1*Audio-out, 1*MIC 1*VGA,1*DP,1*HDMI
	Pilot Lamp	1 * Power indicator light, 1 * Hard disk status indicator light
	Control switch	1*Power SW , 1*Clear CMOS SW
	Power requirements	DC IN 9-48V 4-pin Term. 5.08mm , With short-circuit, overvoltage and overcurrent protection power dissipation: TBD
	TCPM/TPM	Optional support TPM2.0
	Watchdog timer	Programmable timeout interrupt or system reset, 1 to 255 seconds

	operating system	Windows* 10 Enterprise & IOT Enterprise（64 bit） Ubuntu*、SuSe*、Redhat Enterprise* 1,2 Wind River* VxWorks* 7
Mechanism	Structure	Aluminum rectangular profile heat dissipation shell, SGCC box
	Color	Dark blue+gray
	Installation method	Desktop installation, embedded installation, wall mounted installation
	Measurement	(L*W*H)：360*235*165mm,Including hanging ears IO：389*238*196mm
	Net weight	5±0.2（KG）
Environment	Working temperature	-20～65℃, Wide temperature SSD, air flow -10～55℃,Room temperature HDD, air flow
	Storage temperature	-40℃~85℃
	Storage humidity	10~90%, non-condensing

Product size   Unit:mm

Ordering information

Model	Detailed information
GE-901EI-Plus -S	Quasi system Intel®6/7/8/9代 LGA1151 CPU, Q170/C236, 3*LAN, 6USB3.1 , 4*COM, 1*M.2 E- Key, M.2 M-Key, 1*PCIe X16,1*VGA, 1*DP, 1*HDMI, Audio out, Mic, 2*2.5" SATA, DC 9-48V
GE-901EI-Plus -L	Quasi system Intel®6/7/8/9代 LGA1151 CPU, Q170/C236, 7LAN, 6USB3.1 , 4*COM, 1*M.2 E- Key, M.2 M-Key, 1*PCIe X16,1*VGA, 1*DP, 1*HDMI, Audio out, Mic, 2*2.5" SATA ,DC 9-48V
GE-901EI-Plus -C	Quasi system Intel®6/7/8/9代 LGA1151 CPU, Q170/C236, 3AN,10USB3.1 ,8*COM, 1*M.2 E- Key, M.2 M-Key, 1*PCIe X16,1*VGA, 1*DP, 1*HDMI, Audio out, Mic, 2*2.5 SATA ,DC 9-48V
Pull-out power supply	Optional 500W/800W