PC-GS6177A

Intel® 8th/9th Gen Core™ Processor
Fanless Embedded BOX PC



Features:

- Intel® 8/9th Gen. Coffee lake-R Core™ i7/i5/i3 /Pentium®/Celeron® LGA1151 CPU
- H310 Chipset
- 2*DDR4 2400/2666MHz SODIMM, max 64GB
- Support VGA+HD+DP, 2+1 display
- 1*M.2 E-Key 2230, support Gigabit WIFI module
- 2*SATA3.0 easy-swap hard drive cage, with both pull-out and shock-absorbing design(Optional, default to none), 1*full size Msata, with SIM card slot
- Support 1*PCIeX16 expansion slot

Specifications:

System Specifications

CPU	Intel® 8th/9th-Gen Core™ i7/i5/i3/Pentium®/Celeron® LGA1151 processor, up to 8 cores and 16 threads	Memory	2*260-Pin SODIMM, dual-channel DDR4 2666/2400MHz, maximum support 64GB
Chipset	Intel® H310	Storage	2*2.5" SATA3 6.0Gbps HDD/SSD Simple Swap Hard Drive Rack(Optional, default to none) 1*mSATA full size, with SIM card slot, support 4G and other wireless functions
Graphics	Intel® UHD Graphics, Supports DirectX11.1, OpenGL 5.0 and OpenCL 2.1 or PCIe X16 Graphics Display Interface (Half-Length)		
Watchdog	Programmable timeout interrupt or system reset, 1 to 255 seconds		

OS

OS	Windows* 10 Enterprise & IOT Enterprise、Ubuntu、SuSe、Redhat Enterprise 1,2 (Kernel 4.14)、Wind River VxWorks 7

I/O Ports

USB	4*USB3.1 Type A, 2*USB2.0 Type A, 1*USB2.0 (built-in)	Video	1*Audio-out & 1*MIC dual 3.5mm phone jack
LAN	1*Intel® I210AT PCIe, Gigabit adaptive 1*Intel® I219LM	Expand	1*M.2 E-Key 2230, support Gigabit WIFI module 1*PCIe X16
COM	2*RS232/422/485 and 2*RS232 DB9 male interface		I-port: optional USB2.0/16-bit DIO/serial port
GPIO	16-bit isolated DIO (2*10pin phoenix terminal), 8*2.5KV optical isolation input (H: 5-24V, L: 0-1.5V), 8*2.5KV optical isolation output (200mA)	Switch	1*Power SW, 1*Remote SW, 1*AT/ATX SW, 1*Clear CMOS SW
		Indicator Light	1* power indicator, 1* hard disk indicator, 3* CPU working status indicator (Red is alarm, Yellow is high temperature, Green is normal temperature)
Audio	1*DP+1*HD+1*VGA, DP: 4096*2304@60Hz, VGA: 1900*1200@60Hz, HD: 4096*2160@24Hz (2 independent + 1 copy display)		

Power

Power	DC IN 9~36V, 3-pin Term. 7.62mm, overvoltage and overcurrent reverse polarity protection	Power Consumption	60.48W(I7-8700T CPU/16GB DDR4/128GB SSD)

Environment

Vibration Protection	5grms/5~500Hz/random/working status (SSD); 1grms/5~500Hz/random/working status (HDD)	Operating Temp.	-25～60℃, no fan, wide temperature SSD, air flow -10～55℃, no fan, normal temperature SSD, air flow
Shock Protection	50g peak acceleration (lasting 11ms) (SSD); 20g peak acceleration (lasting 11ms) (HDD)	Storage Temp.	-40°C~85°C
Reliability	MTBF≥50000h; MTTR≤0.5h	Humidity	10~90%@40°C, no condensation

Mechanical

Dimensions(WxHxD)	262*230*143.09mm (two extensions, excluding wall mounts) 262*230*97.49mm (without extension, without wall mount)	Weight	7.5kg (two expansions)
		Material	Aluminum rectangular profile heat dissipation shell, SGCC box
		Color	silver + green

Ordering Information

PC-GS6177AP0	H310 Chipset/LGA1151 8/9th Gen. Core™ i3/i5/i7, Pentium®, Celeron® processor/2*SO-DIMM DDR4/2*2.5"/1*mSATA (with SIM card slot, support 4G and other wireless function)/4*COM/1*DP+1*HD +1*VGA/2*LAN/1*Audio/4*USB 3.1+3USB 2.0/16-bit isolated DIO/1*M.2 WIFI/9～36VDC/no extension
PC-GS6177AE1	H310 Chipset/LGA1151 8/9th Gen. Core™ i3/i5/i7, Pentium®, Celeron® processor/2*SO-DIMM DDR4/2*2.5"/1*mSATA (with SIM card slot, support 4G and other wireless function)/4*COM/1*DP+1*HD +1*VGA/2*LAN/1*Audio/4*USB 3.1+3USB 2.0/16-bit isolated DIO/1*M.2 WIFI/9～36VDC/1*PCIe*16
Optional CPU	I7-9700T, I5-9500T, I3-9100T, I7-8700T, I5-8500T, I3-8100T, G5500, G5400, G4950, G4930

Dimensions:

