PC-GS6277A

Intel® 12th/13th Gen Core™ processors

Fanless embedded computer



Features:

Intel® 12th/13th Gen Core™ i3/i5/i7 or

Pentium®/Celeron® desktop processors

H610 chipset (optional Q670)

2*DDR4 3200MHz SO-DIMM, up to 64GB

HD+DP, 2+1 displays

1*M.2 E-Key 2230 for Gigabit WiFi module

1*full-size mSATA, with SIM slot

DC9-36V input; overvoltage, overcurrent and reverse-polarity protection

Tall, wave-pattern fins increase

the surface area for heat dissipation

Specifications:

System			
processor	Intel® 12th/13th-Gen Core™ i7/i5/i3/Pentium® /Celeron® LGA1700; up to 8 cores/16 threads	Watchdog	Programmable timeout interrupt or reset, 1~255s
		Memory	2*260-pin SO-DIMM, dual-channel DDR4 3200MHz, up to 64GB
Chipset	Intel® H610		
Graphics	Intel® UHD Graphics，Supports DirectX11.1，OpenGL 5.0/OpenCL 2.1, or PCIe X16 graphics card (half-length)	Storage	1*M.2 2280 M-Key (H610: SATA; Q670: SATA/PCIe-X4)
Operating system			
Operating system	Windows 10/11 and Linux distributions		
I/O interfaces			
USB	6*USB3.0, 2*USB2.0 (internal)	Audio	1*audio out + 1*MIC, 3.5mm jacks
LAN	6*Gigabit RJ45; LAN1: Intel® I225LM; LAN2: Intel® I211AT; LAN3~6: 802.3AF PoE, total PoE output up to 40W	Expansion	1*M.2 2230 E-Key (WiFi/Bluetooth) 1*M.2 3042/52 B-Key (optional 4G/5G), SIM slot
COM	2*RS232; BIOS-selectable RS232/485/422	Switch	1*Power SW
GPIO	8DI*8DO, four lighting outputs	Indicators	1*power LED (steady green), 1*HDD LED (flashing red)
Display	1*DP1.2 (up to 7680x4320 @ 60Hz) 1*HD2.0b (up to 4096x2160 @ 60Hz)		

Power			
Power	DC IN 9~36V, 2*2-pin locking plug-in terminal, 5.08mm pitch	System power	System power <=260W; 24V lighting output requires a fixed 24V input supply
Environment			
Vibration	5grms/5~500Hz/random/operating (SSD); 1grms/5~500Hz/random/operating (HDD)	Operating temp.	-25~60°C, fanless, wide-temp SSD, airflow -10~55°C, fanless, standard-temp SSD, airflow
Shock	50g peak (11ms) (SSD); 20g peak (11ms) (HDD)	Storage temp.	-40°C~85°C
Reliability	MTBF≥50000h; MTTR≤0.5h	Operating humidity	10~90% @40°C, non-condensing
Physical			
Size (W x H x D)	262*205*87.69mm	Material	Aluminum heat-dissipation housing, SGCC chassis
Weight	4.5kg	Color	Silver + green
Ordering information			
PC-GS6277AP0	H610 chipset/LGA1700, 12th/13th Gen Core™ i3/i5/i7 or Pentium®/Celeron® desktop CPU/2*SO-DIMM DDR4/1*M.2 2280 M-Key (SATA)/2*COM/1*DP+1*HD/2*LAN+4*PoE LAN/1*audio/6*USB3.0 Type-A+2USB 2.0 (internal)/16-bit DIO/1*M.2 2230 E-Key (WiFi/Bluetooth)/1*M.2 3042/52 B-Key (optional 4G/5G), SIM slot/9~36V DC/no expansion		
Optional CPUs	i9-12900, i7-12700, i5-12600, i5-12500, i5-12400, i3-12300, i3-12100, G7400, G6900 (BIOS power limit: 35W) i9-12900T,i7-12700T,i5-12600T,i5-12500T,i5-12400T,i3-12300T,i3-12100T,G7400T, G6900T (CPU Sockets FCLGA1700)		

Dimensions:

