PC-GS33111A

Intel® Elkhart Lake™ 11th Celeron® J6412 Processor
Embedded Box PC



Features:

- Intel® Elkhart Lake™ 11th Celeron® J6412 processor
- 1*DDR4 SO-DIMM memory slot, supporting up to 32GB
- 1*M.2 NVME SLOT (2280) (supports PCIeX1); 1*SATA HDD (7pin)
- 4*USB3.0, 4*RS232 (1 RS232/422/485 optional, default RS232)
- 1*HD, 1*VGA (built-in pin)
- 2*Intel® Gigabit network card, among which LAN1 supports network wake-up
- All metal fanless design

Specifications:

System Hardware

Chipset	Intel® Elkhart Lake™ 11th Celeron® J6412 processor	Storage	1*M.2 2280 SLOT (SATA/Nvme (PCIe X1) interface type automatic recognition); 1*SATA HDD (7pin), supporting 12V/5V power supply
Memory	1*DDR4 SO-DIMM memory slot, up to 32GB		
Hardware Monitoring	Voltage and CPU temperature monitoring		

OS

OS	Windows 10/Windows 11/Linux

I/O Ports

USB	4*USB3.0 (4*USB2.0 built-in) (USB3.0 supports 1.5A in 3 and 4, and 0.9A in 1 and 2)	Audio	1*4-section 3.5mm Audio Jack (supports headphone audio output and microphone audio source input; 1*Horn 8 ohms 3 watts
Serial Port	COM1:1*RS232/422/485 jump cap optional (default RS232), supports 5V/12V/RI # optional COM2/3/4: 1 out 3 serial port cables 1 out 1*RS232 and 2*RS485, or 1 out 3 serial port cables 2 out 3*RS232/485 jump cap options (default RS232); 2*RS232 built-in	Video	1*HD, 1*VGA pins can be customized for export
		DC Port	Phoenix terminal 3-pin, anti reverse insertion
		Mini PCIe	1*Mini PCIe (WiFi+BT/4G/5G optional, one out of three)
		SIM Card	1*Integrated SIM card holder
LAN	2*RJ45 Gigabit Network Interface	GPIO	NA

Power

Power Input	10-32V wide voltage input, standard with 12V5A adapter (Phoenix terminal 3Pin, anti reverse insertion) input

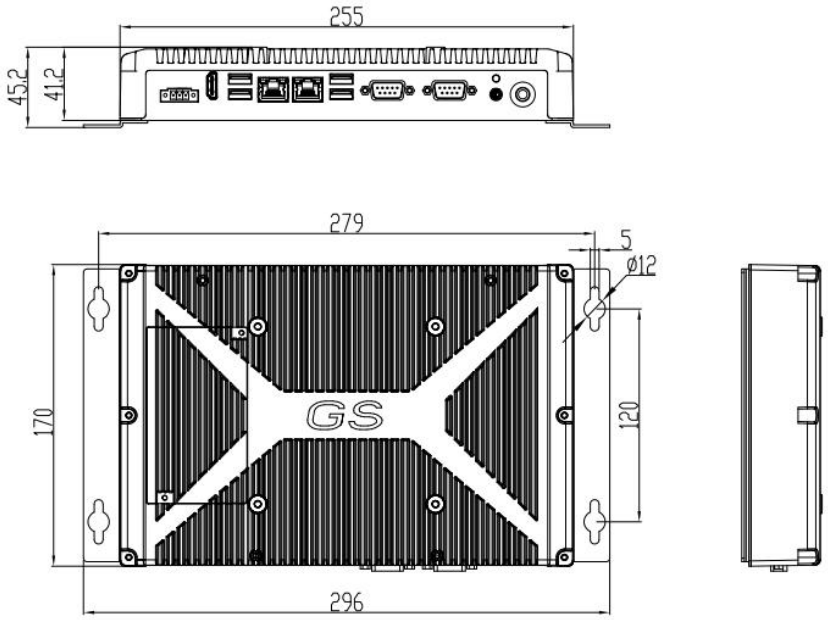
Environment

Vibration Protection	5-19Hz/1.0mm amplitude; 19-200Hz/1.0g acceleration	Operating Temp.	-10℃～50℃ Surface air flow
		Storage Temp.	-40℃～70℃
Shock Protection	10g acceleration, 11ms cycle	Humidity	95% @40℃, no condensation
Reliability	MTBF ≥ 50000h; MTTR ≤ 0.5h		

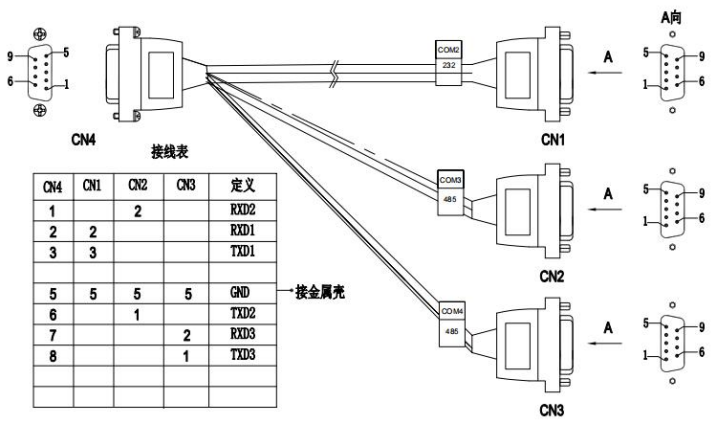
Mechanical

Dimension (WxHxD)	255*170*41.2mm (excluding bracket)	Color	Silver+Mint Green
Weight	2.05Kg(N.W)	Material	Aluminum alloy fanless design

Dimensions:

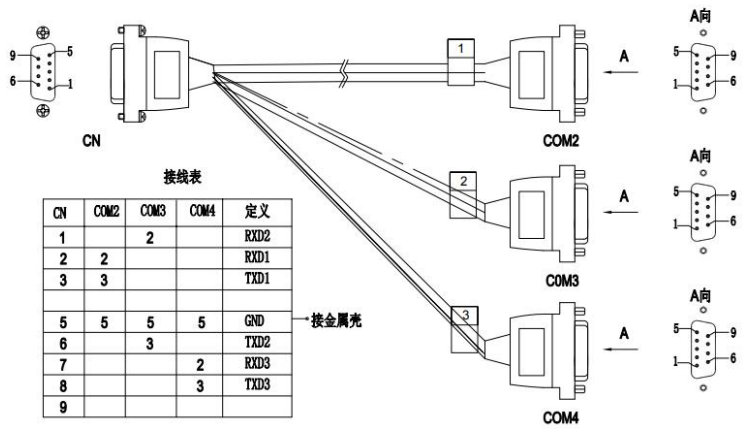


COM2/3/4 (accessory: 1 out 3 serial port cable 1, The definition of part number 2.308.00140 is as follows:



CN4	CN1	CN2	CN3	定义
1		2		RXD2
2	2			RXD1
3	3			TXD1
5	5	5	5	GND
6		1		TXD2
7			2	RXD3
8			1	TXD3

COM2/3/4 (accessory: 1 out 3 serial port cable 2, The definition of part number 2.308.00104 is as follows:



CN	COM2	COM3	COM4	定义
1		2		RXD2
2	2			RXD1
3	3			TXD1
5	5	5	5	GND
6		3		TXD2
7			2	RXD3
8			3	TXD3
9				