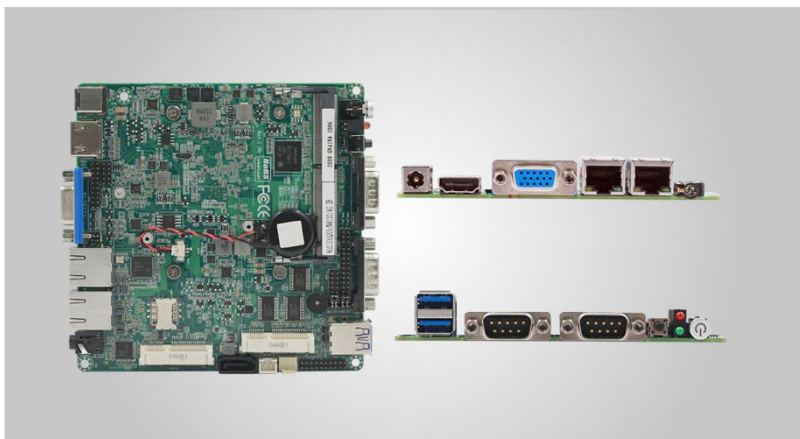


# GN41NA



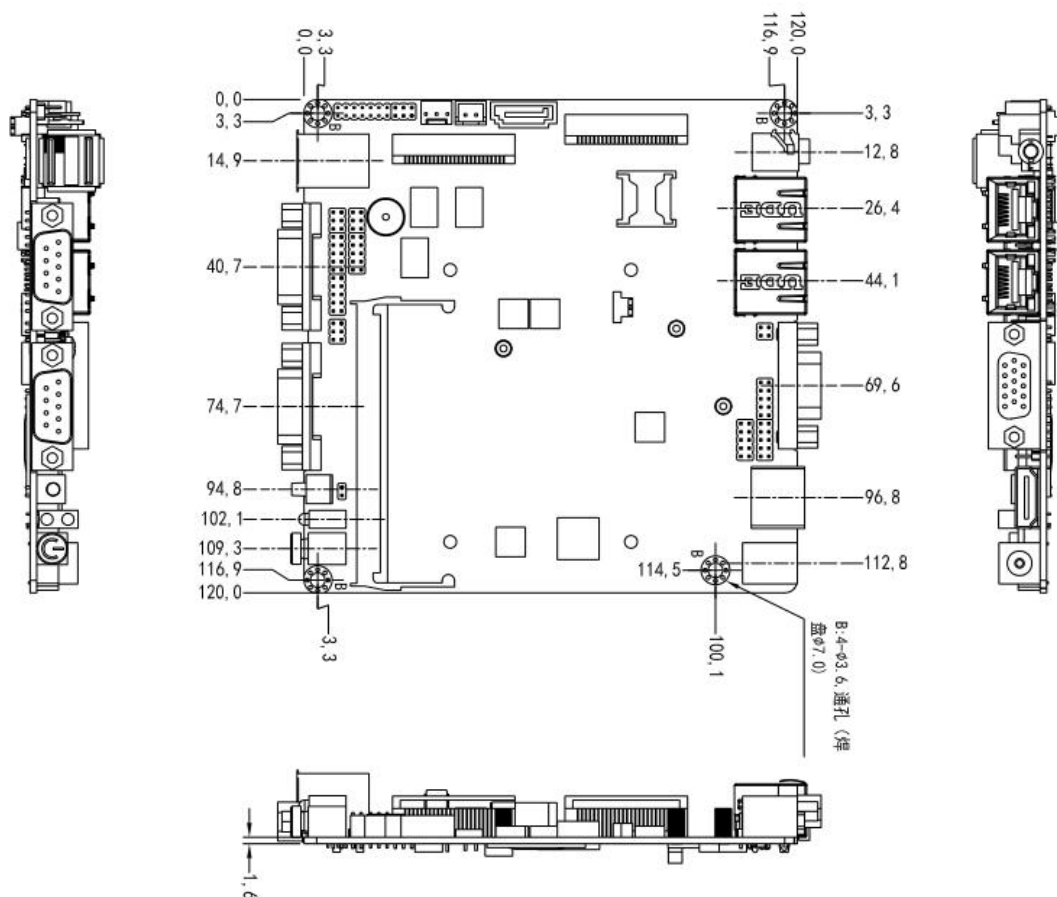
- ◆ Integrated Intel Gemini Lake single CPU;
- ◆ Support TPM2.0(optional)
- ◆ Provide 1\*VGA, 1\*HDMI 1.4 (Support 4K display output) ;
- ◆ 6\*COM port (4\*RS232, 2\*RS232/RS485 optional)
- ◆ onboard 32/64/128G EMMC storage chipset (optional) ;
- ◆ Support power-on automatic boot function, jump selection;
- ◆ Wide voltage 12-19V power supply;
- ◆ Size: 120 x 120 mm;

## Specification

Processor system	CPU	Integrated Intel Gemini Lake single CPU
	CPU package	BGA
	Chipset	Intel Gemini Lake serial SOC
	BIOS	EFI BIOS
Memory	Technology framework	Single channel DDR4 2133Mhz
	Socket	Single SO-DIMM socket, MAX Support DDR4 8G
Video	Graphic controller	Intel UHD Graphics 600(J4005 graphics ) ; the model of graphics is related tp the CPU type
	VGA	VGA suppoprt MAX resolution: 2048x1536
	HDMI	MAX resolution support (HDMI1.4) 4096*2304@30HZ support 4K display
	Dual display	HDMI+VGA sync or asynchronous three display
I/O rear panel	ports	1*VGA, 1*HDMI, 2*LAN, 2*USB3.0/1*LINE-OUT, 2*COM
Network	Controller	2*Intel I211AT
Audio	Controller	Raychem HD ALC662 audio decoding (left and right channel + microphone)
Controller	Controller	ITE8786E
Hardware monitoring	Watchdog timer	0-255 seconds, providing a watchdog routine
	Cooler	Aluminum fan heater (supports automatic and manual fan speed adjustment)
Input/output interface	USB	2*USB3.0 compatible with USB2.0 / 1.1, 4*USB2.0, MAX Support +5V/1.5A
	COM	6*COM (4*RS232, 2*RS232/RS485 optional) , RS485 supports automatic flow control
	GPIO	8bit, sample code, Free defination input or output , 3.3V@24mA
Expansion bus	Mini-PCle	1 Mini-PCle socket, support PCIe and USB device (5G module or PCIE module optional)
Storge	SATA	1 standard SATAIII interface with a maximum transfer rate of 6Gb/s
	M-SATA	1 Mini-PCle M-SATA Scket, supporting SANDISK protocol, maximum transfer rate of 6gb/s
	EMMC	Onboard 32/64/128G EMMC storge chipset (optional
Power supply	Power Type	Single input dc power supply, DC12-19V
Working environment	Operating temperature	-20℃ ~ +60℃
	Storage temperature	-40℃ ~ +85℃
	Working humidity	0% ~ 90% relative humidity, no condensation
	Storage humidity	0% ~ 90% relative humidity, no condensation
System Support		Windows 10 Linux
Physical dimension	Size	120 x 120mm
	N. W	0.5KG
Certification		CE, RoHS, FCC

## Size

Unit: mm



## Order Info

Item NO.	Spec	CPU optional
GN41NA	Integrated Intel Gemini Lake single chip CPU	J4105/J4005/N4100