

# G3780F-P4E2



## Product characteristics

- Intel LGA1151/8-9 series processors
- 2\*SODIMM DDR4 memory, up to 64GB
- 5\*Intel I210AT, 4 of which support POE
- 4\*RS232 DB9 serial ports, of which 2 support 485, 1 support 422, COM3~4 support CAN (need to load CAN module)
- 8\*USB3.0, 2\*USB2.0, 1\*USB2.0 built-in
- Support DIO 7 in and 7 out tape isolation
- 1\*PCIE x16(X8 signal), 1\*PCIE x8
- Support DC 9~36V wide voltage (1\*4P Phoenix terminal)
- Fan heat dissipation, copper tube heat conduction

Model number	G3780F-P4E2 V1.0(Z370)	
chassis	Material/Structure	Aluminum alloy + sheet metal fan heat dissipation
	colour	Iron gray + sand gray
	Dimensions	229*208*125MM
	Weight (bare weight)	4.47 KG
	Install	Desktop/embedded /DIN rail
Main board	CPU	Intel LGA1151/8-9 series processors
	System chip	Intel Z370
	Internal memory	2*SODIMM DDR4 memory slots, supporting a maximum of 64GB
Front panel interface	Switch	1*Power key with indicator light, 1* one key restore (and reset key to choose one), 1*ACLOSS (power on DIP switch)
	LED	1*hard disk indicator
	USB	2*USB3.0, 2 x USB2.0
	Phoenix terminal	1*4pin Phoenix terminal (1* power indicator signal, 1* power switch signal)
	SIM	1*SIM standard card slot (Signal default M.2 5G)
Rear panel interface	Switch	1*Power button with indicator light, 1* one-key restore (choose one of the two reset keys)
	LED	1*hard disk indicator
	Display interface	1*VGA(1920*1200@60Hz), 1*HD OUTPUT1.4

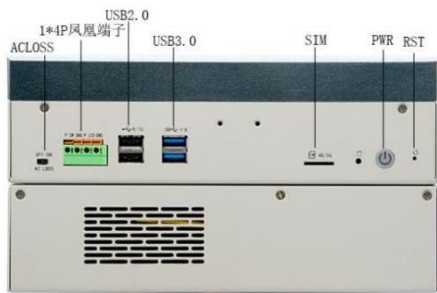
	COM	4*RS232 DB9 serial ports, of which 2 support RS485, 1 support RS422, COM3~4 support CAN function (need to load CAN module)
	LAN	5*Intel I210AT Gigabit ports, four of which support POE
	USB	6*USB3.0
	Phoenix terminal	2*8pin(7 in 7 out GPIO tape isolation)
	Audio frequency	1*Audio, Line out and MIC in one
	Dip switch	Two sets of 6-bit dip switches. The COM3 RS232/485 switch is implemented by the COM3 DIP switch, and the COM4 RS232/485/422 switch is implemented by the COM-SW1 hop cap and COM4 DIP switch combination
	Power interface	1*4P P=5.08mm Phoenix terminal, support DC 9~36V wide voltage input
store	SATA	1 * 2.5-inch hard disk
	MSATA	1* MSATA
	M.2	1*M.2/SSD: Key-M, 2280, NVME PCIe4 SSD
extend	PCIE	1*PCIE3.0 x16 slot 1*PCIE3.0 x8 slot See note 3
	MINIPCIE	1*MINIPCIE, support WiFi/4G(4G and built-in USB2.0 same signal, default built-in USB2.0)
	M.2	1*M.2/WiFi, supports Key-E, 2230, WiFi module
		1*M.2/5G, supports Key-B, 2242/52, 5G modules
System support	Microsoft	Windows 10
	Linux	Linux
Power supply type input	Power supply type	External power adapter
	Voltage input	DC 9-36V wide voltage
	Power output	AC TO DC more than 90W
environment	Operating temperature	-10℃ ~ 50℃



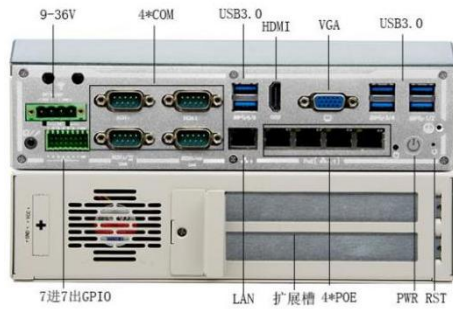
	Storage temperature	-20°C ~ 70°C
	Relative humidity	5%-95%relative humidity, no condensation
	Working vibration	0.5g rms/5-500HZ/random/operating

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## 尺寸图



前置IO视图



后置IO视图

### 订货信息

备注：1、单个POE支持15W。



所有产品规格变更，均不另行通知

- 2、一键还原与复位键二选一，默认一键还原，部分CPU不支持，具体联系FAE，需要复位键，要改硬件。
- 3、G3780F-C6E2 (Z370): 1\*X16槽 (x8信号) + 1\*X8槽 (x8信号)。  
G3780F-C6E2 (G250): 1\*X16槽 (x8信号) + 1\*X4槽 (x1信号)。
- 4、不带风扇的是G3780S-P4E2/或G3780S-C6E2。
- 5、支持显卡规格：功耗低于75W，尺寸小于180mm。

## 配件清单

序号	料号	描述	数量	单位	备注
1	03.02.N05-NF67G-00	挂耳, L51.3*W12*W18mm	1	Set	标配
2	03.02.N05-NFP37-10	支架, L123.98*W29.5*T1.2mm	1	Set	标配
3	03.03.J01-0H015-01	国标电源线_L=1.5m 梅花尾	1	pcs	可选
4	03.01.DC0-D180W-01	19V/9.47A/180W/梅花尾 电源适配器	1	pcs	可选

No.	Model	CPU	Memory	Motherboard	IO Board	PCIE	GPIO	LAN	COM	CAN	HD OUTPUT	VGA	USB 3.0	USB 2.0	power
1	G3780F-P4E2 V1.0(Z370)	LGA1151 8~9th	2*SODDDR4	G370	G370-P4/G370-PW	X8+X8	7 in 7 out	5	4	2	1	1	8	3	9-36V
2	G3780F-P4E2 V1.0(G250)	LGA1151 6~9th	2*SODDDR4	G250	G370-P4/G370-PW	X8+X1	7 in 7 out	5	4	2	1	1	8	3	9-36V
3	G3780F-C6E2 V1.0(Z370)	LGA1151 8~9th	2*SODDDR4	G370	G370-C6/G370-	X8+X8	7 in 7 out	2	6	2	1	1	8	3	9-36V
4	G3780F-C6E2 V1.0(G250)	LGA1151 6~9th	2*SODDDR4	G250	G370-C6/G370-	X8+X1	7 in 7 out	2	6	2	1	1	8	3	9-36V

