

Industrial Fanless Panel PC

GPC8-101-J6412-8-128



CPU Specifications & Ports

CPU	Intel Celeron J6412
RAM	8GB/16 GB /32 GB /64 GB
SSD	128GB/256GB/512GB/1TB/2TB
HDMI Output Resolution	4096*2106@24Hz
Ethernet	2* Intel i210v LAN Chip Ethernet Ports
USB	4* USB 3.0
COM	4* RS-232 Ports, 2* RS-232/RS-422/RS-485
Audio	1* Audio Output Port
Wi-Fi	Integrated Wi-Fi module, 2.4G: 574m, 5G: 2400m, 6G: 2400m802.11ax, Bluetooth 5.3
Supported Systems	Windows 7/WES 7, Windows 10, Windows 11, Linux, VxWorks & QNX



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Screen Specifications

Screen Size	15.6" TFT LED Screen
Screen Ratio	16:9
Screen Resolution	1920*1080
Brightness	350 nit
Contrast	800:1
Color	16M
Screen Type	Capacitive
Transmittance	More than %95
Touch Life	50 million touch
Response Time	< 5 ms
Touch Screen Sensitivity	7 Mohs
IP Level	Front Panel IP65 Protection

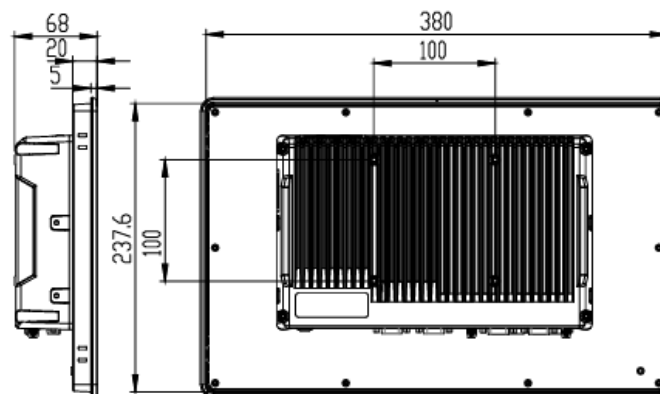
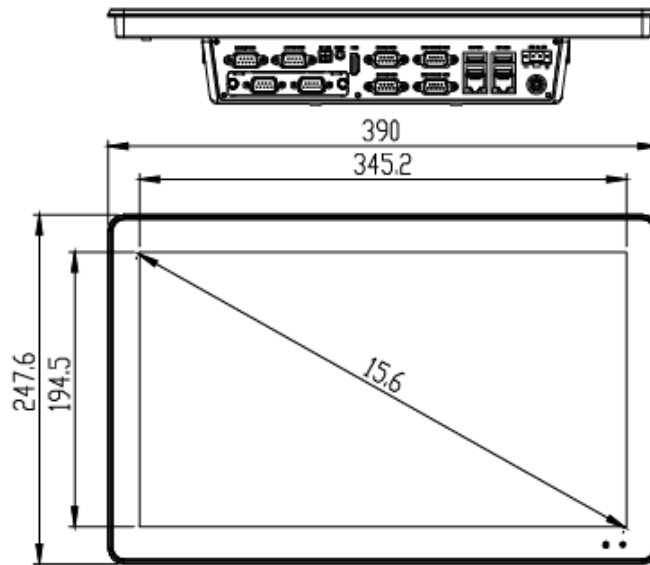
Case Specifications & Industrial Protection

Power Input	Terminal Type DC 9-36V power input
Working Temperature	-30°C~70°C
Case Material	Aluminum Alloy
Heat Dissipation	Fanless Design
Mounting Options	VESA 100x100, Desktop, Embedded, Wall Mount
Size	390mm*247.6mm*68mm
Industrial Static Protection	6000V
Industrial Surge Protection	8000V
Industrial Pulse Protection	2000V
Other Protection	Power Input Overvoltage Protection

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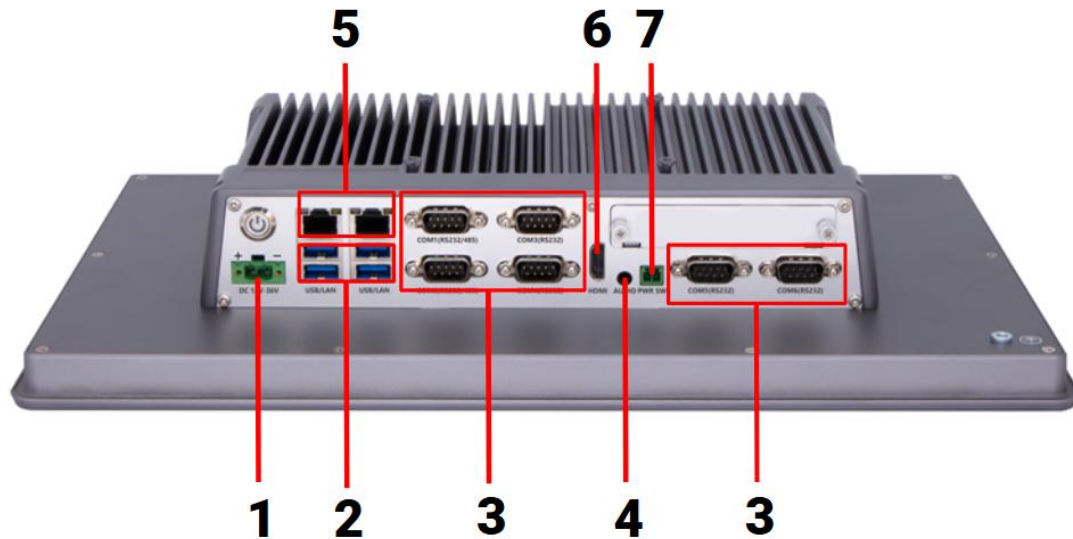
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Technical Drawings (mm)

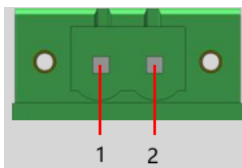


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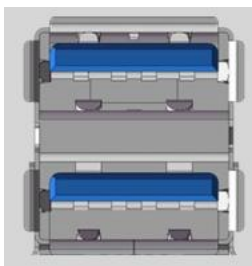


(1) Power Input



Pin No	Description
1	DC 9-36V IN
2	GND

(2) USB 3.0 Port

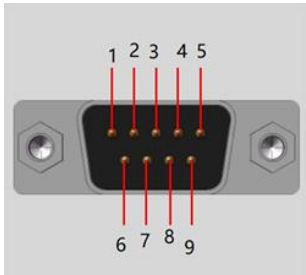


Pin No	Description
1	VSBS
2	Data-
3	Data+
4	GND
5	StdA_SSRX-
6	StdA_SSRX+
7	GND_DRAIN
8	StdA_SSTX-
9	StdA_SSTX+

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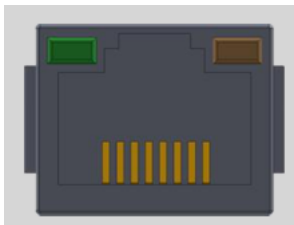
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(3) Serial Port Connection



Pin No	Description		
	RS-232	RS485	RS-422
1	DCD	B-	TX-
2	RXD	A+	TX+
3	TXD	NC	RX+
4	DTR	NC	RX-
5	GND	GND	GND
6	DSR	NC	NC
7	RTS	NC	NC
8	CTS	NC	NC
9	RI	NC	NC

(5) 2/1000M LAN Input

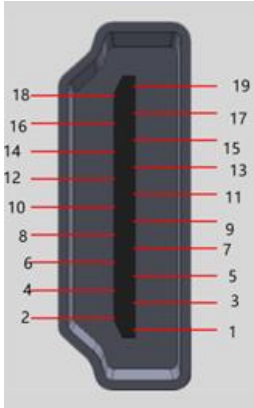


Pin No	Description
1	TX_D1+
2	TX_D1-
3	RX_D2+
4	BI_D3+
5	BI_D3-
6	RX_D2-
7	BI_D4+
8	BI_D4-

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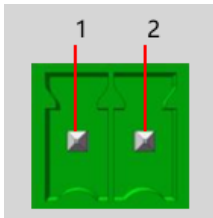
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(6) HDMI



Pin No	Description
1	TMDS Data2+
2	TMDSData2 Shield
3	TMDsData2-
4	TMDSData1+
5	TMDSData1 Shield
6	TMDSData1-
7	TMDS Data0+
8	TMDs Data0 Shield
9	TMDS Data0-
10	TMDS Clock+
11	TMDS Clock Shield
12	TMDS Clock-
13	CEC
14	Reserved (N.C.on device)
15	SCL
16	SDA
17	DDCICEC Ground
18	+5V Power
19	Hot Plug Detect

(7) Power Switch



Pin No	Description
1	PW+
2	PW-