

Geshem | **Shenzhen Geshem Technology Co.,Ltd**

2020
PRODUCT CATALOG **1.0**





Embedded Box PC/ Rackmount PC

Fanless sealed design

Support Intel Celeron/ Core Series CPU

Provide 6USB/6COM/2 LAN

2-4 POE port optional

Support Windows 10/7, Linux

PC-GS317XA/PC-GS3151A



Features

- ◆ Intel® Celeron J1900 or Core 6th/7th I3/I5/I7 processor
- ◆ 6*USB+6*COM port
- ◆ 2*Intel I211
- ◆ With 4GB DDR4 memory
- ◆ Color: Black

Specifications

Performance

Chipset	Intel® Celeron J1900 or Core 6th/7th I3/I5/I7 processor
RAM	J1900: 2GB DDR3, Max 8GB 3855U/3865U/Core: 2GB DDR4, Max 16GB
Hardware Monitor	Monitors voltage, CPU, TEMP
Watchdog	0-255 sec By Software
Storage	SSD: Standard 64GB, Max 512GB
Power	9-24V DC(12V/5A adapter)

O/S

O/S	Windows 10、Linux(J1900 also support Win 7)
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I/O

USB	J1900: 5*USB2.0+1*USB3.0 Core 6th/7th: 4*USB 3.0+2*USB 2.0
COM	6*RS232
Ethernet	2*Intel 1000Mbps
Audio	1*Line-out+1*Mic-in
Display	1*VGA +1*HDMI
GPIO	4 in/out(occupy one DB9 port)
Expansion	1*Mini PCIe(WIFI/BT/3G/4G optional)

Environmental

Anti-vibration	5-19Hz/1.0mm amplitude; 19-200Hz/1.0g, acceleration
Anti-shock	10g acceleration, 11ms duration
Reliability	MTBF ≥5000h; MTTR ≤0.5h
Operating Temp	-20℃ ~ 70℃(with air flow)
Storage Temp	-30℃ ~ 80℃
Operating Humidity	95% @40℃, non-condensing

Mechanical

Dimensions	180mm(L)x148mm(W)x55mm(H)
Material	High-strength and elegant Al-alloy, Fanless Design
Weight	1.1Kg/1.3Kg(NET/Gross)
Color	Black

Ordering Information

TYPE	DESCRIPTION
PC-GS3151A	J1900/2G/64G/6USB/6RS232/ 2LAN/VGA/HDMI/12V5A
PC-GS3171A	3855U/2G/64G/6USB/6RS232/ 2LAN/VGA/HDMI/12V5A
PC-GS3172A	3865U/4G/64G/6USB/6RS232/ 2LAN/VGA/HDMI/12V5A
PC-GS3173A	6th Gen I3/4G/64G/6USB/ 6RS232/2LAN/VGA/HDMI/12V5A
PC-GS3175A	6th Gen I5/4G/64G/6USB/ 6RS232/2LAN/VGA/HDMI/12V5A
PC-GS3177A	6th Gen I7/4G/64G/6USB/ 6RS232/2LAN/VGA/HDMI/12V5A
PC-GS3174A	7th Gen I3/4G/64G/6USB/ 6RS232/2LAN/VGA/HDMI/12V5A
PC-GS3176A	7th Gen I5/4G/64G/6USB/ 6RS232/2LAN/VGA/HDMI/12V5A
PC-GS3178A	7th Gen I7/4G/64G/6USB/ 6RS232/2LAN/VGA/HDMI/12V5A

1

Industrial panel PC
- Capacitive touch / Wide screen

2

Industrial panel PC
- Resistive touch

3

Rugged tablet

4

Embedded Box PC/
Rackmount PC

PC-GS507XA/PC-GS5052A



Features

- ◆ Intel® Celeron J1900 3855U/3865U/ Core i3/i5/i7 processor
- ◆ 6*USB+6*COM port
- ◆ 2*Intel I211 LAN
- ◆ Dual display 1*VGA+1*HDMI
- ◆ Fanless sealed /Anti-dust design

Ordering Information

TYPE	DESCRIPTION
PC-GS5052A	J1900/2G/64G/6USB/6RS232/2LAN/VGA/HDMI/12V5A
PC-GS5071A	3855U/2G/64G/6USB/6RS232/2LAN/VGA/HDMI/12V5A
PC-GS5072A	3865U/4G/64G/6USB/6RS232/2LAN/VGA/HDMI/12V5A
PC-GS5073A	6 th Gen I3/4G/64G/6USB/6RS232/2LAN/VGA/HDMI/12V5A
PC-GS5075A	6 th Gen I5/4G/64G/6USB/6RS232/2LAN/VGA/HDMI/12V5A
PC-GS5077A	6 th Gen I7/4G/64G/6USB/6RS232/2LAN/VGA/HDMI/12V5A
PC-GS5074A	7 th Gen I3/4G/64G/6USB/6RS232/2LAN/VGA/HDMI/12V5A
PC-GS5076A	7 th Gen I5/4G/64G/6USB/6RS232/2LAN/VGA/HDMI/12V5A
PC-GS5078A	7 th Gen I7/4G/64G/6USB/6RS232/2LAN/VGA/HDMI/12V5A

Specifications

Performance

Chipset	Intel: Celeron J1900/3855U/3865U/Core I3/I5/I7
RAM	J1900: 2GB DDR3, Max 8GB 3855U/3865U/Core: 2GB DDR4, Max 16GB

Hardware Monitor Voltage CPU, Temperature Monitoring

Watchdog 0-255 sec By Software

Storage SSD: Standard 64GB, Max 512GB

Power 9-24V DC(12V/5A adapter,9-36V optional)

O/S

O/S Windows 10、Linux(J1900 also support Win 7)

I/O

USB J1900: 5*USB2.0+1*USB3.0

Core 6th/7th: 4*USB 3.0+2*USB 2.0

COM 6*RS232(1-2*RS485/422 optional)

Ethernet 2*Intel 1000Mbps

Display 1*VGA +1*HDMI

Audio 1*Line-out+1*Mic-in

Expansion 1*Mini PCIe(WIFI/BT/3G/4G optional)

Environmental

Anti-vibration 5-19Hz/1.0mm amplitude; 19-200Hz/1.0g, acceleration

Anti-shock 10g acceleration, 11ms duration

Reliability MTBF ≥ 5000h; MTTR ≤ 0.5h

Operating Temp -20°C ~ 70°C (with air flow)

Storage Temp -30°C ~ 80°C

Operating Humidity 95% @40°C, non-condensing

Mechanical

Dimensions 211.5mm(L)x200mm(W)x67mm(H)

Material High-strength and elegant Al-alloy, Fanless Design

Weight 2.6Kg/4.0Kg(NET/Gross)

Color Black

PC-GS5073E



Features

- ◆ Intel® Celeron 3855U/3865U/ Core i3/i5/i7 processor
- ◆ 6*USB+6*COM port
- ◆ 2*Intel I211 LAN
- ◆ Dual display 1*VGA+1*HDMI
- ◆ Fanless sealed /Anti-dust design

Specifications

Performance

Chipset	Intel® Celeron 3855U/3865U/Core I3/I5/I7
RAM	4GB DDR4, MAX 16GB
Hardware Monitor	Monitors voltage, CPU, TEMP
Watchdog	0-255 sec By Software
Storage	SSD: Standard 64GB, Max 512GB
Power	9-36V DC(Onboard Wide power range with isolation, standard 12V/5A adapter)

O/S

O/S	Windows 10、Linux
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I/O

USB	4*USB 3.0+2*USB 2.0
COM	6*RS232(COM1~4 with isolation,COM3~4 can be switched to RS485/RS422 by jumper)
Ethernet	2*Intel 1000Mbps
Audio	1*Line-out+1*Mic-in
Display	1*VGA+1*HDMI
Expansion	1*Mini PCIe(WIFI/BT/3G/4G optional)

Environmental

Anti-vibration	5-19Hz/1.0mm amplitude; 19-200Hz/1.0g, acceleration
Anti-shock	10g acceleration, 11ms duration
Reliability	MTBF ≥5000h; MTTR ≤0.5h
Operating Temp	-20℃~70℃(with air flow)
Storage Temp	-30℃~80℃
Operating Humidity	95% @40℃, non-condensing

Mechanical

Dimensions	211.5mm(L)x200mm(W)x67mm(H)
Material	High-strength and elegant Al-alloy, Fanless Design
Weight	2.6Kg/3.5Kg(NET/Gross)
Color	Black

Ordering Information

TYPE	DESCRIPTION
PC-GS5071E	3855U/4G/64G/6USB/6RS232 /2LAN/VGA/HDMI/12V5A
PC-GS5071E	3865U/4G/64G/6USB/6RS232 /2LAN/VGA/HDMI/12V5A
PC-GS5073E	6 th Gen I3/4G/64G/6USB/ 6RS232/2LAN/VGA/HDMI/12V5A
PC-GS5075E	6 th Gen I5/4G/64G/6USB/ 6RS232/2LAN/VGA/HDMI/12V5A
PC-GS5077E	6 th Gen I7/4G/64G/6USB/ 6RS232/2LAN/VGA/HDMI/12V5A
PC-GS5074E	7 th Gen I3/4G/64G/6USB/ 6RS232/2LAN/VGA/HDMI/12V5A
PC-GS5076E	7 th Gen I5/4G/64G/6USB/ 6RS232/2LAN/VGA/HDMI/12V5A
PC-GS5078E	7 th Gen I7/4G/64G/6USB/ 6RS232/2LAN/VGA/HDMI/12V5A

1

Industrial panel PC
- Capacitive touch / Wide screen

2

Industrial panel PC
- Resistive touch

3

Rugged tablet

4

Embedded Box PC/
Rackmount PC

PC-GS507XA-4P



Features

- ◆ Onboard Intel®Celeron 3855U/3865U Core 6th /7 Gen I3/I5/I7 Processor
- ◆ 4GB DDR4, up to 16GB
- ◆ 2*USB 2.0+4*USB 3.0
- ◆ 5*Intel I211AT(4*POE-802.3af)
- ◆ Fanless High-strength and elegant Al-alloy case Design

Ordering Information

TYPE	DESCRIPTION
PC-GS5071A-4P	3855U/4G/64G/6USB/2RS232/5LAN/VGA/HDMI/12V5A
PC-GS5072A-4P	3865U/4G/64G/6USB/2RS232/5LAN/VGA/HDMI/12V5A
PC-GS5073A-4P	6 th Gen I3/4G/64G/6USB/2RS232/5LAN/VGA/HDMI/12V5A
PC-GS5075A-4P	6 th Gen I5/4G/64G/6USB/2RS232/5LAN/VGA/HDMI/12V5A
PC-GS5077A-4P	6 th Gen I7/4G/64G/6USB/2RS232/5LAN/VGA/HDMI/12V5A
PC-GS5074A-4P	7 th Gen I3/4G/64G/6USB/2RS232/5LAN/VGA/HDMI/12V5A
PC-GS5076A-4P	7 th Gen I5/4G/64G/6USB/2RS232/5LAN/VGA/HDMI/12V5A
PC-GS5078A-4P	7 th Gen I7/4G/64G/6USB/2RS232/5LAN/VGA/HDMI/12V5A

Specifications

Performance

Chipset	Onboard Intel® Celeron 3855U/3865U Core 6th / 7 Gen I3/I5/I7 Processor
RAM	4GB DDR4, Max 16GB
Hardware Monitoring	Voltage & CPU Temperature Monitoring
Watchdog	0-255 sec By Software
Storage	SSD: Standard 64GB, Max 512GB

Power

Power in	9-36V DC(12V/5A adapter)
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I/O

USB	4*USB2.0 +2*USB 3.0
COM	2*RS232(RS422/RS485 optional)
Ethernet	5*Intel 1000Mbps (4*POE)
Audio	1*Line out, 1*Mic in
Display	1*VGA, 1*HDMI
Expansion	1*Mini PCIe(WIFI/BT/3G/4G optional)
GPIO	1*16 in/out

O/S

O/S	Windows 10、Linux(J1900 also support Win 7)
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Environmental

Anti-vibration	5-19Hz/1.0mm amplitude; 19-200Hz/1.0g, acceleration
Anti-shock	10g acceleration, 11ms duration
Reliability	MTBF ≥5000h; MTTR ≤0.5h
Operating Temperature	-20℃ ~ 70℃(with air flow)
Storage Temperature	-30℃ ~ 80℃
Operating Humidity	95% @40℃, non-condensing

Mechanical

Dimensions	211.5mm(L)x200mm(W)x67mm(H)
Material	High-strength and elegant Al-alloy, Fanless Design
Weight	1.8Kg/2.3Kg(NET/Gross)
Color	Black

PC-GS6065P4



Features

- ◆ Chipset: Intel® H81 Express Chipset, 4th Generation Intel® Core processors
- ◆ OS: Windows 7/10、Linux
- ◆ Memory: 4GB DDR3/MAX 16GB
- ◆ 4*USB2.0+2*USB3.0; 6*RS232
- ◆ 1*MINI PCIe, 1*PClex16, 3*PCI
- ◆ Al-alloy, Fanless design

Specifications

Performance

Chipset	Intel® H81 Express Chipset 4th Generation Intel® Core processors
Memory	4GB DDR3 SO-DIMM, Max 16GB
Hardware Monitor	Monitors voltage, CPU, TEMP
Watchdog Timer	0-255 sec by software
Storage	SSD: Standard 64GB, Max 512GB
Power Supply	9-36V DC
O/S	Windows 7/10、Linux

I/O Port

USB	4*USB 2.0+2*USB3.0
COM	6*RS232 (1-2*422/485 optional)
Ethernet	2*Intel 1000Mbps
GPIO	4 in/out
Display	1*VGA
LPT	1*LPT port
PS/2	1*PS/2
Extension	1*Mini PCIe, 1*PClex16, 3*PCI

Environmental

Anti-vibration	5-19Hz/1.0mm amplitude; 19-200Hz/1.0g, acceleration
Anti-shock	10g acceleration, 11ms duration
Reliability	MTBF ≥ 5000h; MTTR ≤ 0.5h
Operating Temperature	-20°C ~ 70°C with air flow
Storage Temperature	-30°C ~ 80°C
Operating Humidity	95% @40°C, non-condensing

Mechanical

Dimensions	222mm(L)*235mm(W)*209mm(H)
Material	Fanless High-strength and elegant Al-alloy panel
Weight	3.5KG(NW)/4.5KG(GW)
Color	Black

1
Industrial panel PC
- Capacitive touch / Wide screen

2
Industrial panel PC
- Resistive touch

3
Rugged tablet

4
Embedded Box PC / Rackmount PC

PC-GS6801D



Features

- ◆ Intel® H81 Express Chipset 4th Generation Intel® Core/Celeron processors
- ◆ OS: Windows 10、Linux
- ◆ Memory: 2*U-DIMM DDR3, up to 16GB
- ◆ 12*USB2.0+2*USB3.0; 10*RS232
- ◆ Al-alloy, Fanless design

Specifications

Performance

Chipset	Intel® H81 Express Chipset 4th Generation Intel® Core/Celeron processors
Memory	2*U-DIMM DDR3, Max 16GB
Hardware Monitor	Monitors voltage, CPU, TEMP
Watchdog Timer	0-255 sec by software
Storage	3.5" HDD
Power Supply	ATX power supply 220V AC input, 300W power
O/S	Windows 10、Linux(J1900 also support Win 7)

I/O Port

USB	12*USB 2.0+2*USB3.0
COM	10*RS232
Ethernet	2*Intel 1000Mbps
Display	1*VGA+1*HDMI
PS/2	1*PS/2
Extension	1*Mini PCIe(WIFI/BT/3G/4G optional)

Environmental

Anti-vibration	5-19Hz/1.0mm amplitude; 19-200Hz/1.0g, acceleration
Anti-shock	10g acceleration, 11ms duration
Reliability	MTBF ≥ 5000h; MTTR ≤ 0.5h
Operating Temperature	-20℃ ~ 70℃ with air flow
Storage Temperature	-30℃ ~ 80℃
Operating Humidity	95% @40℃, non-condensing

Mechanical

Dimensions	355mm(L)*200mm(W)*130mm(H)
Material	Fanless High-strength and elegant Al-alloy panel
Weight	6.58KG(NW)/8.29KG(GW)
Color	Black

1

Industrial panel PC
- Capacitive touch / Wide screen

2

Industrial panel PC
- Resistive touch

3

Rugged tablet

4

Embedded Box PC/
Rackmount PC

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