PC-GS34XXS

Intel® low-power processor

Compact fanless industrial computer





Features:

- Intel®

J1900/J4125/N95/N97/N100/N305/3th-

13th Core i3/i5/i7 low-power processors

Sealed, fanless, dust-resistant design

- 1*SO-DIMM DDR3/DDR4/DDR5

Up to 6*USB+4*serial ports or 4*USB+6*serial ports

1*VGA+1*HD or 2*HD or 1*DP+1*HD

2*Gigabit Ethernet ports

Specifications:

Performance			
CPU family*	Intel® J1900/J4125/N95/N97/N100/N305/3th-13th Core i3/i5/i7	Watchdog	0-255 seconds/minutes, via system software
		Power	12V DC input (optional 9-36V; maximum USB count reduced by 2)
Memory	1*SO-DIMM memory	Hardware monitor	Voltage and CPU temperature monitoring
Storage	1*MSATA or 1*M.2 SATA/NVME		
Operating system			
Operating system	Windows 10/11、Linux		
I/O interfaces			
USB	2*USB standard	Display	1*VGA+1*HD or 2*HD or 1*DP+1*HD
Serial	2*RS232 standard (1*RS485/RS422 optional)	Expansion	1*M.2/MINI PCIe (WiFi/BT or 4G)
LAN	2*Gigabit Ethernet ports		
Audio	1*Audio		
Environment			
Vibration	5-19Hz/1.0mm amplitude; 19-200Hz/1.0g acceleration	Operating temp.	-20°C~60°C, airflow over surface
Shock	10g acceleration, 11ms duration	Storage temp.	-40℃ ~ 70℃
Reliability	MTBF≥50000h; MTTR≤0.5h	Operating humidity	95%@40°C, non-condensing
Physical			
Dimensions (L x W x H)	180mm*148mm*55mm (204*148.4*55.3 with mounting ears)	Weight	1.1kg/1.3kg (net/gross)
Material	Aluminum alloy; fanless design	Color	Black

Ordering information

<table>
<tr><th>Model</th><th>CPU</th><th>RAM</th><th>Storage SSD</th><th>Ethernet</th><th>USB</th><th>Display</th><th>Serial COM</th></tr>
<tr><td>PC-GS3450S</td><td>J1800</td><td rowspan="5">1*DDR3L
Up to 8GB</td><td rowspan="5">Only
1*MSATA</td><td rowspan="15">2 standard
RTL8111H</td><td>1*USB 3.0
1*USB 2.0

Up to
1*USB 3.0
5*USB 2.0</td><td rowspan="5">1*VGA
1*HD</td><td rowspan="15">2*RS232 standard
Optional 1*
RS485/RS422

Up to 6*COM
But max USB count -2
or

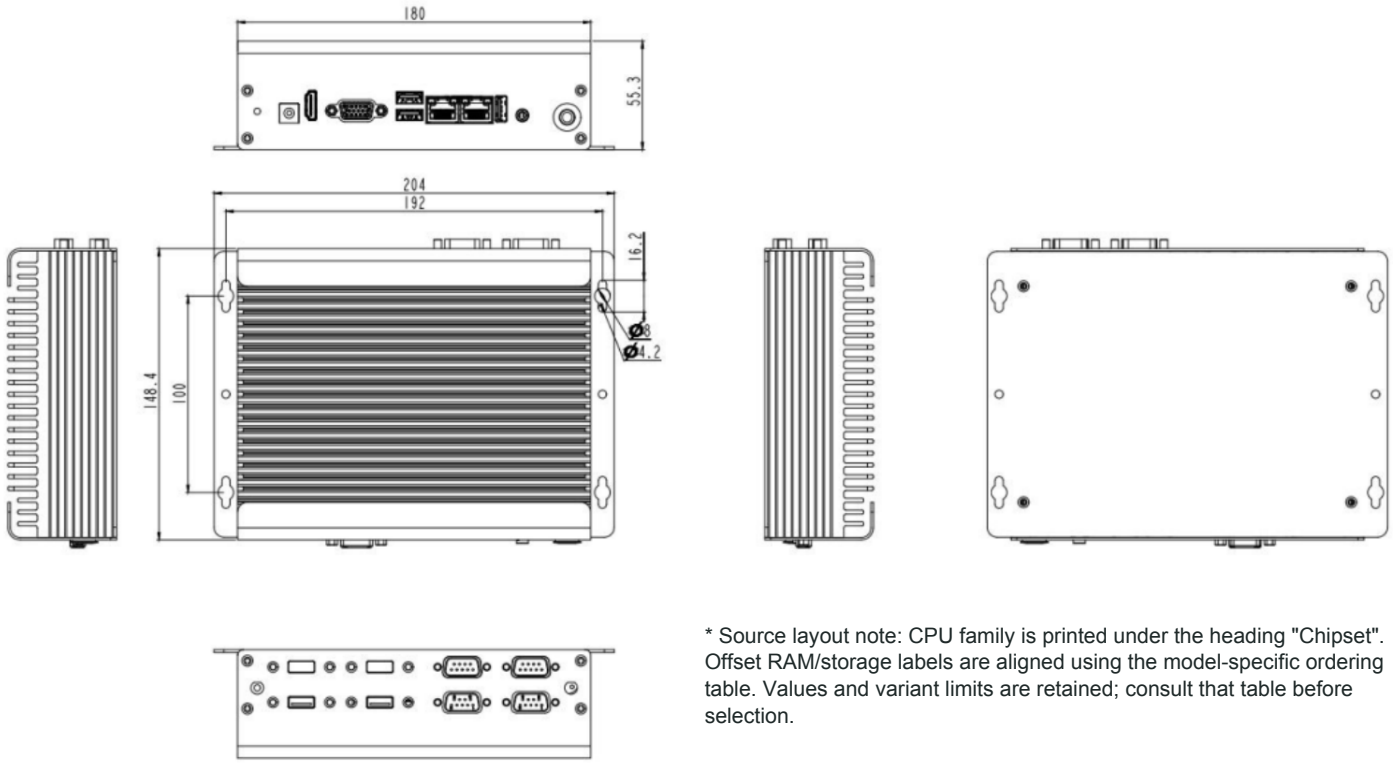
Up to 4*COM</td></tr>
<tr><td>PC-GS3451S</td><td>J1900</td></tr>
<tr><td>PC-GS3433S</td><td>I3-3217u</td><td rowspan="3">2*USB 3.0

Up to
2*USB 3.0
4*USB 2.0</td></tr>
<tr><td>PC-GS3435S</td><td>I5-3317u</td></tr>
<tr><td>PC-GS3437S</td><td>I7-3517u</td></tr>
<tr><td>PC-GS34N95S</td><td>N95</td><td rowspan="4">1*DDR5
Up to 16GB</td><td rowspan="4">1*M.2
NVME/SATA</td><td rowspan="3">2*USB3.2 Gen1
1*TypeC 3.2

Up to
4*USB 3.2
2*USB 2.0
1*TypeC 3.2</td><td rowspan="3">1*DP
1*HD
1*Type-C</td></tr>
<tr><td>PC-GS34N97S</td><td>N97</td></tr>
<tr><td>PC-GS34N100S</td><td>N100</td></tr>
<tr><td>PC-GS34N305S</td><td>N305</td></tr>
<tr><td>PC-GS3452S</td><td>J4125</td><td>1* DDR4
Up to 16GB</td><td>Only
1*MSATA</td><td rowspan="9">2*USB 3.0

Up to
2*USB 3.0
4*USB 2.0</td><td rowspan="8">1*VGA
1*HD</td></tr>
<tr><td>PC-GS3463S</td><td>I3-6100u</td><td rowspan="9">1* DDR4
Up to 32GB</td><td rowspan="7">1*M.2
NVME/SATA
1* MSATA</td></tr>
<tr><td>PC-GS3465S</td><td>I5-6200u</td></tr>
<tr><td>PC-GS3467S</td><td>I7-6500u</td></tr>
<tr><td>PC-GS3473S</td><td>I3-7100u</td></tr>
<tr><td>PC-GS3477S</td><td>i7-7500u</td></tr>
<tr><td>PC-GS3483S</td><td>I3-8130u</td></tr>
<tr><td>PC-GS3485S</td><td>I5-8250u</td></tr>
<tr><td>PC-GS3487S</td><td>I7-8550u</td></tr>
<tr><td>PC-GS3483S2</td><td>I3-8145u</td><td rowspan="3">1*M.2
NVME/SATA</td><td rowspan="3">1*i219V
1*RTL8111H</td><td rowspan="3">1*VGA
1*HD
or
2*HD</td></tr>
<tr><td>PC-GS3485S2</td><td>I5-8265u</td></tr>
<tr><td>PC-GS3487S2</td><td>I7-8565u</td></tr>
</table>

Dimensions:



* Source layout note: CPU family is printed under the heading "Chipset". Offset RAM/storage labels are aligned using the model-specific ordering table. Values and variant limits are retained; consult that table before selection.

Ordering information

Model	CPU	RAM	Storage SSD	Ethernet	USB	Display	Serial COM
PC-GS34103S	I3-10110u	1* DDR4 Up to 32GB	1*M.2 NVME/SATA	1*i219V 1*RTL8111H	2*USB 3.0 Up to 2*USB 3.0 4*USB 2.0	1*VGA 1*HD or 2*HD	2*RS232 standard Optional 1* RS485/RS422 Up to 6*COM But max USB count -2 or Up to 4*COM
PC-GS34105S	I5-10210u						
PC-GS34107S	I7-10510u I7-10610u I7-10810u						
PC-GS34123S	i3-1215u				2*USB3.2 Gen1 1*TypeC 3.2 Up to 4*USB 3.2 2*USB 2.0 1*TypeC (Full function)	2*HD + 1*Type-C (Shared with USB)	
PC-GS34125S	i5-1235u						
PC-GS34127S	I7-1255u I7-1265u						
PC-GS34133S	I3-1315u						
PC-GS34135S	I5-1335u I5-1345u						
PC-GS34137S	I7-1355u						

CPU may vary with market conditions

Consult sales before ordering for the exact CPU model