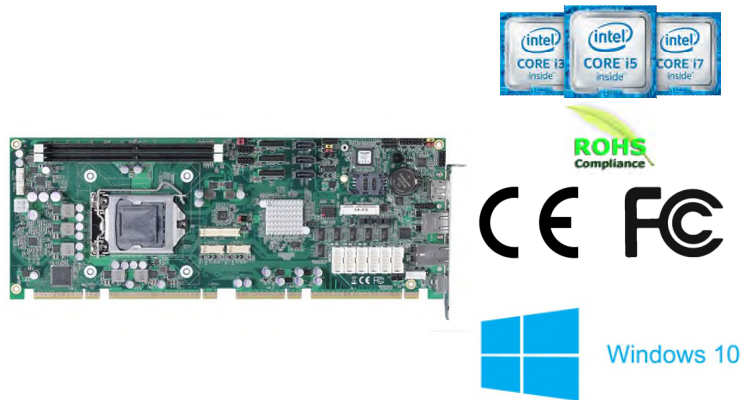


# SINE-8492G2V

PICMG 1.3 8<sup>th</sup> Generation Intel® Core™ i7/i5/i3 Processor Based Single Board Computer with 6x USB 3.1/4x USB 2.0/6x COM Ports/Displayport/ VGA/Dual Gigabit LAN



## FEATURES

- 8<sup>th</sup> Generation Intel® Core™ i7/i5/i3 & Pentium Processor in Socket 1151
- Dual DDR4-2666 un-buffered DIMM max. up to 32 GB
- Intel® Q370 Chipset
- Intel® I211AT & Intel® I219LM Dual Gigabit Ethernet Controller
- Integrated Intel® HD Graphics with Displayport Connector
- Intel® HD Codec Audio chip on-board
- Multi I/O: 6x USB3.1, 4x USB2.0, 6x COM ports, 3x SATA 3.0

## Introduction

PICMG 1.3 SBC SINE-8492G2V based on the Intel® Q370 Express Chipset, supports Intel® 8<sup>th</sup> Generation Core® i7/i5/i3 Processor. Integrated with Intel® HD Graphic, 6 Com Port, 6x USB 3.1, 4x USB 2.0 and 3x SATA3.0 with RAID 0, 1, 5.

SINE-8492G2V is ideal for developing high-performance systems for industrial control and Automation, gaming, Medical Instruments, Surveillance Server, Military systems, print imaging and digital signage.

## Specification

System	
Processor	<ul style="list-style-type: none"> <li>• Intel® Core™ i7-8700 Processor 12M Cache, up to 4.60 GHz (65W)</li> <li>• Intel® Core™ i5-8400 Processor 9M Cache, up to 4.00 GHz (65W)</li> <li>• Intel® Core™ i3-8100 Processor 6M Cache, 3.60 GHz (65W)</li> <li>• Intel® Pentium® G5500 Processor 4M Cache, 3.80 GHz (54W)</li> <li>• Intel® Celeron® G4900 Processor 2M Cache, 3.10 GHz (54W)</li> <li>• LGA1151 socket.</li> </ul>
BIOS	• AMI UEFI BIOS with OA 3.0 built
System Memory	• Dual DDR4 DIMM 2666 MHz up to 32GB, Support Non-ECC, unbuffered memory only (Core i3, Pentium, Celeron CPU support 2400 MHz only)
Chipset	• Intel® Q370 Chipset
Video	<ul style="list-style-type: none"> <li>• Intel® UHD Graphics</li> <li>• 2 x DVI, 1 x DisplayPort, 1 x VGA, 1 x LVDS</li> <li>• Onboard 18/24-bit single/dual channel +3.3V/5V/ 12V LVDS</li> </ul>
Ethernet	<ul style="list-style-type: none"> <li>• Intel® I211AT PCI Express Gigabit Ethernet controller</li> <li>• Intel® I219LM with iAMT9.0 Gigabit Ethernet Phy</li> <li>• Integrated 10/100/1000 transceiver</li> <li>• Fully compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab</li> </ul>
On Board I/O	<ul style="list-style-type: none"> <li>• Six serial ports as COM1~COM6. COM1&amp;2 is RS232/422/485 selectable by jumper with auto-flow control.</li> <li>• Intel® Q370 PCH built-in 3 x Serial ATA3 interface up to 600MB/s Support RAID 0, 1, 5 and Intel Rapid Storage Technology. (does not support SATA2 device)</li> <li>• Support six USB3.1 ports.</li> <li>• Support four USB2.0 ports.</li> </ul>
Expansion	• -
Extended Interface	• PICMG 1.3 Interface Support 1 PCI-Express x16 and 1 PCI-Express x4 or 4 PCI-Express x1, 4 PCI, mSATA ( <i>mSATA only Support SATA3</i> )
Watchdog Timer	• Programmable watchdog timer for 1~255 seconds.
CMOS	• On-board RTC with 242 bytes of Battery-back CMOS RAM.
Audio	• Intel® integrated Q370 with Realtek ALC232 HD Audio
Power	• One ATX-12V 4-pins connector for CPU power. Support both AT and ATX mode.
Cooling	<ul style="list-style-type: none"> <li>• One CPU cooling FAN connector nearby CPU socket</li> <li>• One system cooling FAN connectors for chassis or power supply cooling.</li> </ul>

## Mechanical & Environment

Form Factor	PICMG 1.3 Full-Size SBC form factor. 13.3" (L) x 4.96"(W); or 338mm (L) x 126mm (W).
Operation temperature	0°C to 60°C (32° F to 140° F)
Storage temperature	-40°C to 70°C (-68° F to 176° F)
Relative humidity	5% to 95% (Non-Condensing)

## Ordering Information

SINE-8492G2V-01	PICMG 1.3 8 <sup>th</sup> Generation Intel® Core™ i7/i5/i3 Processor Based Single Board Computer with 4x USB 3.0/10x USB 2.0/6x COM Ports/ Displayport / Dual Gigabit LAN/1 PCIe x16 and 4 PCIe x1
SINE-8492G2V-04	PICMG 1.3 8 <sup>th</sup> Generation Intel® Core™ i7/i5/i3 Processor Based Single Board Computer with 6x USB 3.1/4x USB 2.0/6x COM Ports/ Displayport/ Dual Gigabit LAN/1 PCIe x16 and 1 PCIe x4