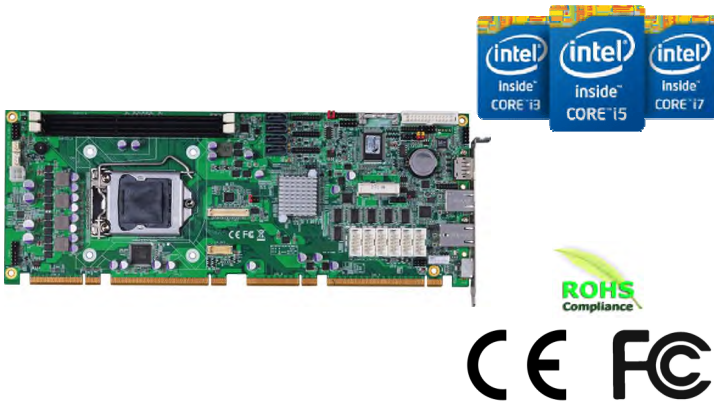


SINE-8485G2V

PICMG 1.3 4th Generation Intel® Core™ i7/i5/i3 Processor Based Single Board Computer with 4x USB 3.0/6x USB 2.0/6x COM Ports/VGA /DVI / Dual Gigabit LAN



FEATURES

- 4th Generation Intel® Core™ i7/i5/i3 & Pentium Processor in Socket 1150
- Dual DDR3/DDR3L 1333/1600 DIMM up to 16 GB
- Intel® Q87 Chipset
- Intel® I210 & Intel® I210LM Dual Gigabit Ethernet Controller
- Integrated Intel® HD Graphics with VGA/DVI-/ DisplayPort/ LVDS connectors
- Realtek® ALC888 Audio chip on-board
- Multi I/O: 4 x USB3.0, 6 x USB2.0, 6 x COM ports, 4 SATA3.0 and 1x LPT
- Expansion: 1x Mini PCIE

Introduction

PICMG 1.3 SBC SINE-8485G2V based on the Intel® Q87 Express Chipset, supports Intel® Core® i7/i5/i3 Processor. Integrated with Intel® HD Graphic, 6 Com Port, 4 x USB 3.0, 6 x USB 2.0 and 4 x SATA3.0, 1x LPT.

SINE-8485G2V 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"> • Intel® Core™ i7/i5/i3/Pentium®/ Celeron® processor. • LGA1150 socket.
BIOS	<ul style="list-style-type: none"> • Phoenix® Securecore Tiano
System Memory	<ul style="list-style-type: none"> • 2 x DDR3 DIMM sockets Dual-channel DDR3 1066/1333Mhz SDRAM. Max. up to 16 GB memory
Chipset	<ul style="list-style-type: none"> • Intel® Q87 Express Chipset
Video	<ul style="list-style-type: none"> • Intel® HD Graphics • Display ports: VGA/DVI-I/Displayport/LVDS • DVI-I supports up to 1920x1200 @ 60Hz resolution • VGA display resolution up to 1920x1200 pixels with 24-bit color @ 60Hz • Supports 6 Graphics Execution Units (EUs) • Intel® Clear Video Technology • DirectX Video Acceleration (DXVA) support for accelerating video processing
Ethernet	<ul style="list-style-type: none"> • Intel® I210 PCI Express Gigabit Ethernet controller • Intel® I217LM with iAMT9.0 Gigabit Ethernet Phy • Integrated 10/100/1000 transceiver • Fully compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
On Board I/O	<ul style="list-style-type: none"> • Six serial ports as COM1~COM6. COM1 is RS232/422/485 selectable by jumper with auto-flow control. • One Parallel port • One IrDA Port • Four SATA-III ports support IDE, AHCI, RAID 0, 1,5,10 • Support four USB3.0 ports. • Support six USB2.0 ports.
Expansion	<ul style="list-style-type: none"> • One Mini-PCIE socket.
Extended Interface	<ul style="list-style-type: none"> • 1 PCI-Express x16 and 1 PCI-Express x4 or 4 PCI-Express x1, 4 PCI
Watchdog Timer	<ul style="list-style-type: none"> • Programmable watchdog timer for 1~255 seconds.
CMOS	<ul style="list-style-type: none"> • On-board RTC with 242 bytes of Battery-back CMOS RAM.
Audio	<ul style="list-style-type: none"> • Realtek® ALC888 High-Definition Audio chip on-board. • Support Line-OUT, Line-IN, MIC, SPDIF, CD-IN and Surrounding sounds with pin-headers
Power	<ul style="list-style-type: none"> • One 4-pins power connector for system power. • One ATX-12V 4-pins connector for CPU power. • Support both AT and ATX mode.
Cooling	<ul style="list-style-type: none"> • One CPU cooling FAN connector nearby CPU socket • One system cooling FAN connectors for chassis or power supply cooling.

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-8485G2V-01	PICMG 1.3 4 th Generation Intel® Core™ i7/i5/i3 Processor Based Single Board Computer with 4x USB 3.0/6x USB 2.0/6x COM Ports/VGA /DVI / Dual Gigabit LAN/1 PCIe x16 and 4 PCIe x1
SINE-8485G2V-04	PICMG 1.3 4 th Generation Intel® Core™ i7/i5/i3 Processor Based Single Board Computer with 4x USB 3.0/6x USB 2.0/6x COM Ports/VGA /DVI / Dual Gigabit LAN/1 PCIe x16 and 1 PCIe x4