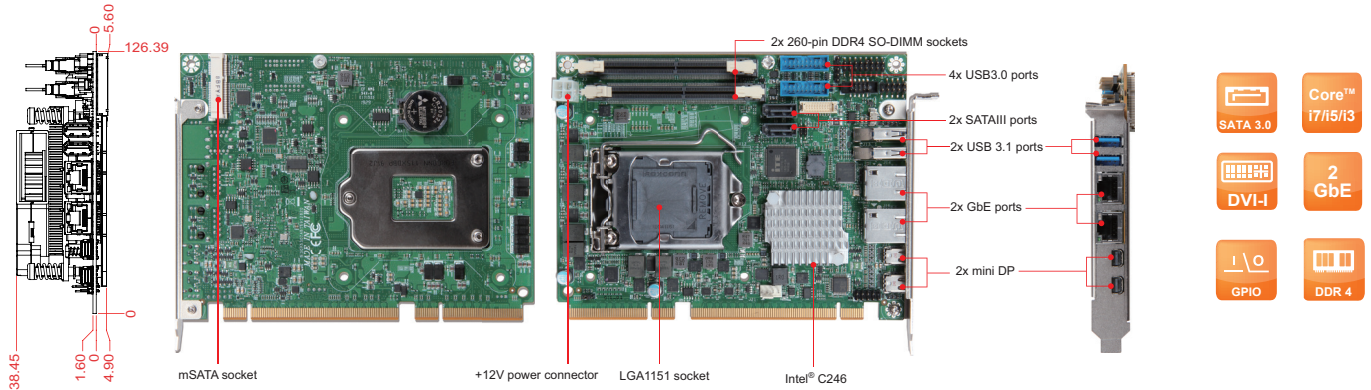


ROBO-6912VG2AR

Intel® Core™ i3/i5/i7/Pentium® Celeron®/Xeon® E Family processor based on PICMG 1.3 half size SHB with DDR4 SO-DIMM, mini DP,DVI-D, Dual Gigabit Ethernet, SATAIII, mSATA, Audio, USB.



ROBO-6912VG2AR is based on Intel® C246 chipset to support both Intel® Xeon® and Core™ i3/i5/i7 processors. Built with flexible PCI express expansions, ROBO-6912VG2AR is suitable for Medical, Industrial automation, and Digital Signage application.

FEATURES

- Support Intel® 8th Gen Coffee Lake-S processor in LGA1151
- Delivers up to 32GB maximum DDR4 2400 MT/s ECC SO-DIMM on two sockets
- High speed dual Gigabit Ethernet based on PCI express x 1, high bandwidth I/O interface
- On-board two SATAIII ports, support RAID 0, 1

ORDERING GUIDE

AB1-3J42Z	(R).ROBO-6912VG2AR PICMG 1.3(PCI-E+PCI),LGA1151. C246 PCH. IntelXeon/Core i3 processors.SHB.w/ DVI-D/miniDP*2/Dual GbE/Audio/USB 3.1/ COM
------------------	--

PACKING LIST

Standard	B8983650 Installation CD B8981980 PICMG SBC Handling and Installation Notice B6902932 SATA III cable
Optional	B6903090 USB 3.0 cable with bracket B6902230 USB port cable with bracket

GENERAL

Processor	- Intel® Core™ i3/i5/i7 Pentium®/Celeron®/ Xeon® processors up to 3.4 GHz (35~65W) with Cache in LGA-1151 package
Chipset	Intel® C246
BIOS	AMI UEFI BIOS (SPI ROM)
Memory	- Supports up to 32GB DDR4-2400MT/s SDRAM on two 260-pin ECC SO-DIMM sockets - Supports ECC
Storage Devices	- 2x SATAIII ports - 1x mSATA socket
Watchdog Timer	Programmable via S/W from 0.5 sec. to 255 sec
Hardware Monitoring	System monitor(Voltage,Fan Speed and Temperature)

I/O INTERFACE

Expansion Interface	- 1x PCIe x16 or 2x PCIe x8 or 1x PCIe x8 + 2x PCIe x4 by jumper setting or BIOS (Gen3 up to 8.0 GT/s) - 1x PCIe x4 or 4x PCIe x1 by different BIOS support (Gen3 up to 8.0 GT/s)
Super I/O (Embedded Controller)	IT5121E-I
Audio	- Realtek ALC888S-VD2-GR HDA codec, 7.1 channels - one on-board audio pin header
Ethernet	- Intel® WGI219LM + WGI210AT Gigabit Ethernet controller - Dual 10BASE-T / 100BASE-TX / 1000BASE-T Ethernet - PCI Express x1 interface based on Gigabit Ethernet - Dual RJ-45 connector with two LED indicators - 1x RS-232/422/485 selectable by bios
Serial Port	- 1x RS-232/422/485 selectable by bios
USB	- 4x USB3.0 ports - 2x USB3.1 Gen 2 ports on bracket
Keyboard & Mouse	2x USB3.1 ports on bracket dedicated to keyboard & mouse
GPIO	N/A

DISPLAY

Graphic Controller	Intel® Coffee-Lake-S processors integrated graphics engine
Display Interface	-- DVI-D on board: up to 1920x1600 @ 60Hz - mini DP: two ports on bracket up to 4096x2304 @ 60Hz

Mechanical & Environment

Dimension	- 167.64mm(L) x 126.39mm(W), 6.6" (L) x 4.98"(W) - PCB: 12 Layers
Power Supply	- Typical: +12V, +5V - Support ATX mode
Environment	- Operation Temperature:0°C~60°C - Storage Temperature:-20°C~80°C - Relative Humidity:5~95%,non-condensing



IoT Solutions Alliance

