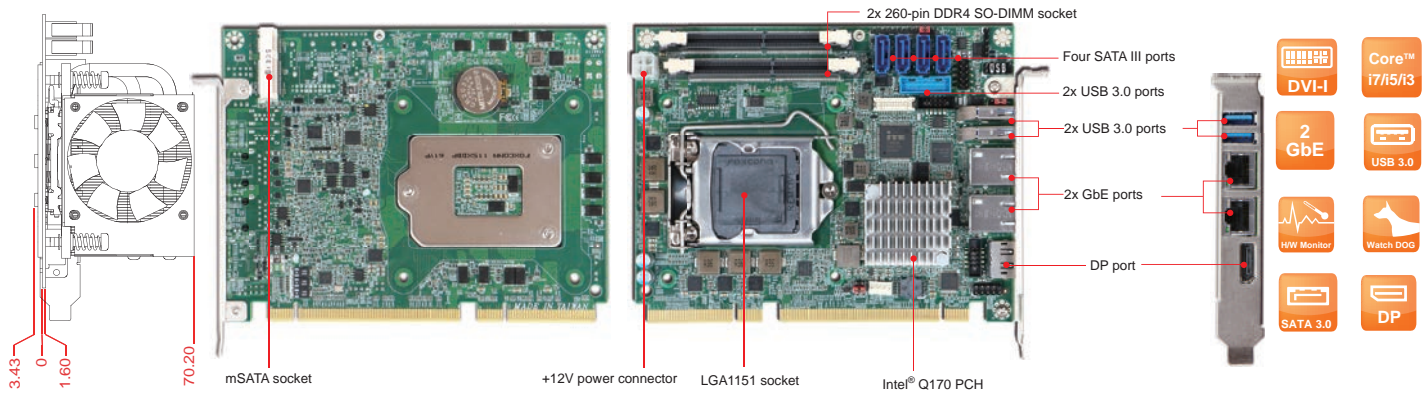


# ROBO-6911VG2AR

Intel® Xeon® E3/Core™ i3/i5/i7/Pentium®/Celeron® processor based on PCIMG 1.3 half size SHB with DDR4 SO-DIMM, DP, DVI-I, Dual Gigabit Ethernet, mSATA, Audio, USB



ROBO-6911VG2AR is based on Intel® C236/Q170 chipset to support both Intel® Xeon® and Core™ i3 processors. Built with flexible PCI express expansions, ROBO-6911VG2AR is suitable for Medical, Industrial automation, and Digital Signage application.

## FEATURES

- Support Intel® 6<sup>th</sup> Skylake-S processor in LGA1151
- Delivers up to 32GB maximum DDR4 2133 MT/s ECC SODIMM on two sockets
- Supports multiple display by DP on bracket and on-board DVI-I (DVI-D+VGA)
- High speed dual Gigabit Ethernet based on PCI express x 1, high bandwidth I/O interface
- On-board four SATAIII ports, support RAID 0, 1, 5, 10

## ORDERING GUIDE

<b>AB1-3D38</b>	<b>(R).ROBO-6911VG2AR</b> PICMG 1.3 half size (PCI-E) .LGA1151. Intel Xeon/Core i3 processors.SHB.w/DP/ DVI-I/Dual GbE/Audio/mSATA
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## PACKING LIST

<b>Standard</b>	B6902932 SATA III cable B8981980 PICMG SBC Handling and Installation Notice B8983650 Installation CD
<b>Optional</b>	B6902230 USB port cable with bracket AB9-2066 PA-M1AU Multiple Media kit B6903090 USB 3.0 cable with bracket

## GENERAL

Processor	- Intel® Xeon® E3-1200v5 series / Core™ i3/i5/i7/Pentium®/Celeron® processors up to 3.6 GHz (35–80W) with (8MB) Cache in LGA-1151 package - DMI x4 Link: 5.0GT/s - Support Intel® Turbo Boost , Hyper-Threading, Virtualization, Thermal Monitoring, Trusted Execution and SpeedStep Technology (depends on CPU sku)
Chipset	Intel® C236
BIOS	AMI uEFI BIOS (SPI ROM)
Memory	- Supports up to 32GB DDR4 2133/1066 MT/s SDRAM on two 260-pin ECC or non ECC SODIMM sockets - Supports ECC
Storage Devices	4x SATAIII ports 1x mSATA socket
Watchdog Timer	Programmable via S/W from 0.5 sec. to 254.5 sec
Hardware Monitoring	System monitor(Voltage,Fan Speed and Temperature)
Expansion Interface	- 1x PCIe x16 or 2x PCIe x8 or 1x PCIe x8 + 2x PCIe x4 by jumper setting (Gen3 up to 8.0 GT/s) - 1x PCIe x4 or 4x PCIe x1 by different bios support (Gen 3 up to 8.0 GT/s)

## I/O INTERFACE

Super I/O	ITE IT8772E
Audio	- Intel® PCH built-in High Definition Audio up to 192-kHz 32-bit - Realtek ALC886-GR HDA codec, 5.1 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
Serial Port	- 1x RS-232/422/485 selectable by bios
USB	- 4x USB3.0 ports (2 ports on bracket)
Keyboard & Mouse	2xUSB3.0 ports on bracket dedicated to KB & MS
GPIO	N/A

## DISPLAY

Graphic Controller	Intel® 6 <sup>th</sup> Skylake-S processors integrated graphics engine
Display Interface	Support independent triple display by - CRT on bracket: up to 1920x1200 @ 60Hz - DVI-D on bracket: up to 1920x1200 @ 60Hz (CRT+ DVI-D by on-board connector) - DP: up to 4096X2304@60Hz (on bracket)

## Mechanical & Environment

Dimension	167.64mm(L) x 126.39mm(W), 6.6" (L) x 4.98"(W) -PCB: 12ayers
Power Supply	Typical: +12V, +5VSB -Support ATX mode
Environment	Operatin Temperature:0°C–60°C -Storage Temperature:-20°C–80°C -Relative Humidity:5–90%,non-condensing
Certification	CE,FCC Class A
MTBF	Over 100,000 hours at 40°C

