

ROBO-6910VG2A

Intel® 4th Gen. Core™ Processor based
PICMG 1.3 Board Half size System Host Board



FEATURES

- Supports Intel® 4th Gen. Core™ processor and C226 Chipset
- Two 240-pin DIMM support DDR3 1600/1333 ECC SDRAM up to 16GB
- Supports Dual independent display: VGA/DP
- High speed Dual Gigabit Ethernet based on PCI Express x1, high bandwidth I/O interface
- Equipped with I/O connections such as FDD, two serial ports, parallel port, USB 3.0, SATA III

ORDERING GUIDE

AB1-3684Z	ROBO-6910VG2A Half size SBC based on Intel 4th Gen. Core CPU DDR3.w/VGA/DP/GbE/Audio
------------------	---

GENERAL

Processor	- Intel® 4th Gen. Core™ Processor in LGA1150 Package - Supports Dual Core/ Quad Core/ Xeon Processor
Chipset	Intel® C226
BIOS	Phoenix uEFI BIOS
Memory	Supports up to 16GB DDR3 1600/1333 on two 240-pin ECC sockets
Storage Devices	- 4x SATA 6Gb - Supports RAID 0, 1, 5 and 10
Watchdog Timer	Programmable via S/W from 0.5 sec. to 254.5 sec.
Hardware Monitoring	System monitor (CPU Cooler, Fan speed, voltages and Temperature)
Expansion Interface	One PCIe 3.0 x16 or two PCIe 3.0 x8 or two PCIe 3.0 x4 and one PCIe x8

I/O INTERFACE

Super I/O	ITE IT8728F
Audio	- On-board Audio Codec ALC886 - HAD interface, 7.1-channel Codec
Ethernet	- Two GbE Ethernet ports by Intel® WGI217LM and WGI210AT
USB	- 2x USB 2.0 ports and 2x USB 3.0 connector on bracket
Keyboard & Mouse	One 6-pin mini-DIN connector for keyboard & mouse on bracket
GPIO	On board programmable 8-bit Digital I/Os

DISPLAY

Graphic Controller	- Intel® Processor integrated 3D graphics Media Accelerator - Support DX11, OpenGL 3.1, OCL1.1, MPEG-2, Shader Model 4.0
Display Interface	- VGA on bracket: Resolution up to 1920 x 1200 @60Hz - DP on bracket, up to 3200 x 2000 resolution @60Hz

Mechanical & Environment

Dimension	- 167.64mm (6.6") x 126.39mm (4.98") - PCB: 8 layers
Power Supply	- Supports AT, ATX mode
Environment	- Operation Temperature: 0~60 °C - Storage Temperature: -20~80 °C - Relative Humidity: 5~90%, non-condensing
MTBF	Over 120,000 hours at 40°C

