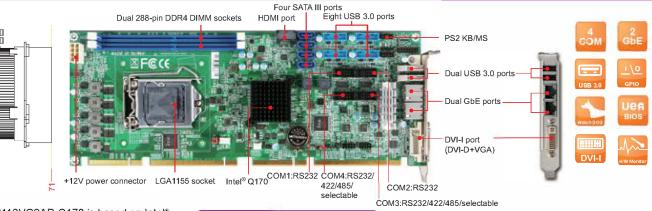
ROBO-8113VG2AR-Q170

IIntel[®] Core[™] i5/i7 processor based on PCIMG 1.3 SHB with DDR4 SDRAM, HDMI, DVI-I, Dual Gigabit Ethernet, Audio and USB



ROBO-8113VG2AR-Q170 is based on Intel® Q170 chipset and desktop processors. Built with flexible PCI express expansions, ROBO-8113VG2AR is suitable for Medical, Industrial automation, and Digital Signage application.

FEATURES

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- Supports Intel 6th Skylake-S Core i5/i7 processors in LGA 1151 package
- Delivers up tp 32GB maximum DDR4 2133 non-ECC DIMM on two sockets
- Supports mutiple display by DVI-I(DVI-D+VGA)and HDMI
- High speed dual Gigabit Ethernet based on PCI express x 1, high bandwidth I/O interface
- On-board six SATAIII ports
- Rich I/O connections such as four serials ports, USB 3.0/2.0, SATA III ports

ORDERING GUIDE

AB1-3D41 (R).ROBO-8113VG2AR PICMG 1.3(PCI-E+PCI).LGA1151. Intel Xeon/Core i3 processors.SHB.w/VGA/Dual GbE/Audio/four COM ports

PACKING LIST

B6902932 SATA III cable
B8981980 PICMG SBC Handling and Installation
Notice
B6903350 DVI-D + VGA cable
B6903240 dual head COM port cable with
bracket
B8983660 Installation CD
B6902980 PS/2 Keyboard / Mouse Cable with
bracket
B6902230 USB port cable with bracket
AB9-2066 PA-M1AU Multiple Media kit
B6903090 USB 3.0 cable with bracket

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I/O INTERFACE	
Embedded Controller	ITE IT8528E
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	- 2x RS232 ports - 2x RS232/422/485 selectable - LPC to COM port IC; Fintek F81216DG
USB	 2x USB 2.0 ports (through backplane) 480Mb/s bus capable of high-speed/full-speed/low-speed data ranges 10x USB 3.0 ports on board (eight ports on board, dual ports on bracket) 5Gbps bus capable of high-speed/ full-speed/low-speed data ranges
Keyboard & Mouse	 2x USB 3.0 ports on bracket dedicated to keyboard & mouse (on bracket) 1x 10 pin box header for external PS/2 keyboard/mouse
GPIO	On board programmable 8-bit Digital I/Os

DISPLAY Graphic Controller - Intel® CoreTM i5/i7 processors integrated graphics engine - Provides improved 3D multimedia capabilities including Microsoft DirectX 12, OCL 2.x and OpenGL 4.3/4.4 - Support independent triple display by - CRT on bracket: Resolution up to 1920x1200 @ 60Hz - DVI-D on bracket: up to 1920x1200 @ 60Hz (CRT + DVI-D on bracket by DVI-I port) - HDMI: up to 4096x2160 @ 24Hz

Mechanical &	Environment
Dimension	- 338.5mm(L) x 126.39mm(W), 13.33"(L) x 4.98"" (W) - PCB: 8 layers
Power Supply	- Typical: +12V, +5V - Support ATX mode
invironment	- Operatin Temperature:0~60°C - Storage Temperature:-20~80°C - Relative Humidity:5~90%,non-condensing
ITBF	Over 100,000 hours at 40°C

