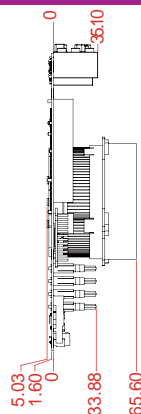
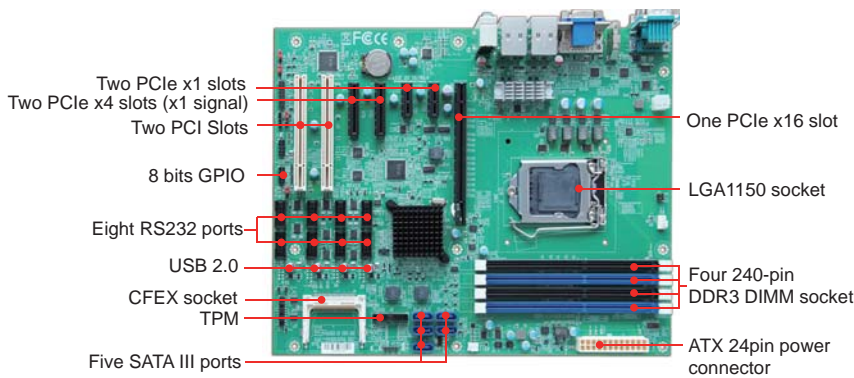
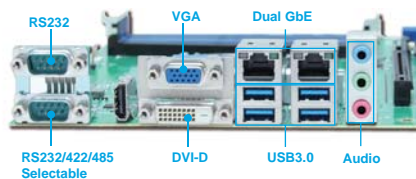


RUBY-D717VG2AR

Intel® Core™ i3/E3 processor based ATX with DDR3 SDRAM, Triple display, Dual Gigabit Ethernet, and USB Ports



RUBY-D717VG2AR is based on Intel® C226 chipset and workstation sku like Core™ i3 and Xeon-E3. Build with flexible PCI express expansion and bifurcation feature, it can suitable for Medical, Industrial automation, and digital signage applications.



FEATURES

- Intel® Core™ i3 and E3 processor Support
- Four Long-DIMMs support dual channel DDR3 ECC/ non-ECC SDRAM up to 32GB
- Triple display by VGA/DVI-D/HDMI
- Rich I/O, USB2.0/3.0 dual Gigabit Ethernet. COM Port and SATA III ports support Intel RAID 0, 1, 5, 10.
- One PCIe x16 (Gen3), Two PCIe x4 (Gen2, x1 signal), Two PCIe x1 (Gen2), And two PCI slot.
- Intel® Active Management Technology 9.0

ORDERING GUIDE

AB1-3941	RUBY-D717VG2AR ATX IMB. LGA1150 CPU. C226. DDR3/VGA/DVI-D/ HDMI/Dual GbE/COM/Audio/USB
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PACKING LIST

One RUBY-D717VG2AR ATX Industrial Main Board
One SATA III Cable
One Installation DVD
One I/O shield



GENERAL

Processor	- Intel® Core™ i3/E3 processor up to 3.4 GHz (65-95W) with (3-8MB) Cache in LGA-1150 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® C226 PCH
BIOS	Pheonix UEFI BIOS
Memory	Support up to 32GB DDR3 1333/1600 SDRAM on four 240-pin ECC/non-ECC DIMM sockets(dual channel)
Storage Devices	Support 5x SATA 600 drives Support 1x CFEX slot Support RAID 0,1,5,10
Watchdog Timer	Programmable via S/W from 0.5 sec. to 254.5 sec.
Expansion Interface	- 1x PCI Express x16 Gen3 up to 8.0 GT/s - 2x PCI Express x4 (PCIe x1signal Gen2 up to 5.0 GT/s) - 2x PCI Express x1 (Gen2 up to 5.0 GT/s) - 2x PCI devices at 32 bit 33 MHz

I/O INTERFACE

Embedded Controller	ITE IT8518
Audio	Intel® C226 PCH built-in High Definition Audio up to 192-kHz 32-bit Realtek ALC886-GR HDA codec, 5.1 channels
Ethernet	- Intel® WG1218LM + WG1210AT 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	- 4x RS232 (4x RS232 optional) - 2x RS232/422/485 (Support BIOS switch)
USB	4x USB3.0 Ports on real IO 8x USB2.0 Ports on board
Keyboard & Mouse	PS/2 on board dedicated to Keyboard&Mouse
GPIO	on board programmable 8-bit Digital I/Os

DISPLAY

Graphic Controller	- Intel® Core™ i5/i7 processors integrated graphic engine - Provided improved 3D multimedia capabilities including Microsoft DirectX 11.1, Shader Model 4.0, MPEG-2 and OpenGL 3.2
Display Interface	- VGA: Resolution up to 2560x1600 @ 60Hz - DVI-D: up to 1920x1200 @ 60Hz - HDMI: up to 1920x1200 @ 60Hz - Support Triple Display

Mechanical & Environment

Dimension	304.8(L) x 243.8(W); 12"(L) x 9.6"(W) PCB: 6 layers
Power Supply	ATX 24-pin power input
Environment	- Operation Temperature: 0-60 °C (with highest performance on 50 °C) - Storage Temperature: -20-80 °C - Relative Humidity: 5-90%, non-condensing
MTBF	Over 120,000 hours at 40°C

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