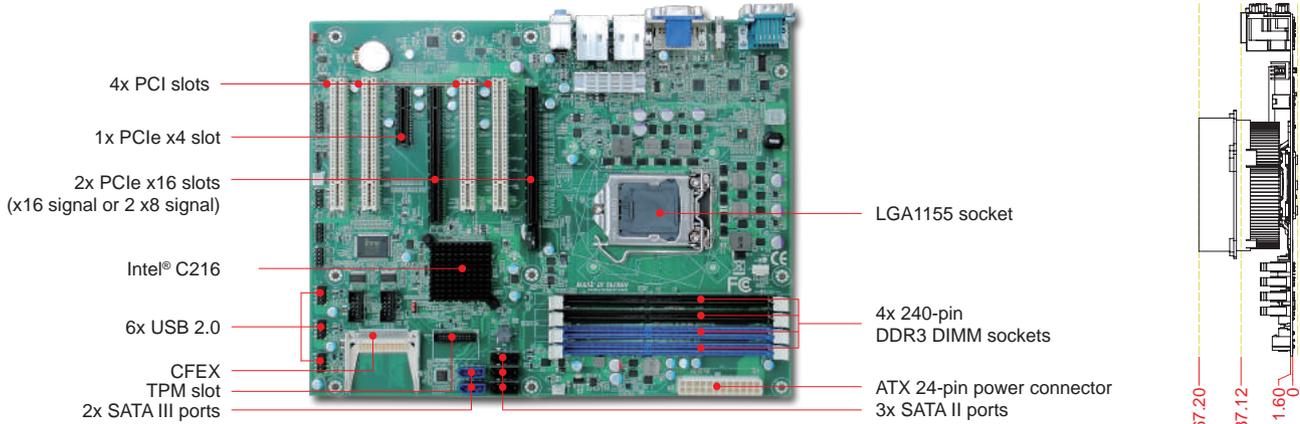


RUBY-D715VG2AR

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



RUBY-D715VG2AR is based on Intel® C216 chipset and workstation sku like Core™ i3 and Xeon® E3-1200 series processors. Built with flexible PCI express expansion and bifurcation feature, it can support two I/O interface cards and can also suitable for Medical, Industrial Automation, and Digital Signage applications.

FEATURES

- Intel® Core™ i3 and Xeon® E3-1200 series processors support
- 4x Long-DIMMs support dual channel DDR3 ECC and non-ECC SDRAM up to 32 GB
- Dual display by VGA/DVI-D/HDMI
- Rear I/O, USB 2.0/3.0, dual Gigabit Ethernet, COM ports and SATA II/III ports support Intel® RAID 0,1,5,10
- 2x PCIe x16 slots (Gen 3, x16 signal or 2 x8 signal), 1x PCIe x4 (Gen 2), and 4x PCI slots
- 1x CFEX socket (supports CFEX card)
- Intel® Active Management Technology 8.0

REAR I/O



ORDERING GUIDE

AB1-3925	RUBY-D715VG2AR ATX IMB, LGA1155 CPU, C216 DDR3/VGA/DVI/HDMI/Dual GbE/COM/Audio/USB
Standard	One SATA II cable One SATA III cable (Black) One Installation CD One I/O shield DVI-D + VGA cable with bracket PICMG SBC Handling and Installation Notice Installation CD

PACKING LIST

One RUBY-D715VG2AR ATX Industrial Main Board
One SATA III Cable
One Installation CD
One I/O shield



GENERAL

Processor	- Intel® Core™ i3 and Xeon® E3-1200 series processor up to 3.4GHz with (3~8MB) Cache in LGA1155 package - DMI x4 Link: 5.0 GT/s - Supports Intel® Turbo Boost, Hyper-Threading, Virtualization, Thermal Monitoring and Trusted Execution (depend on CPU sku)*
Chipset	Intel® C216 PCH chipset
BIOS	Phoenix UEFI BIOS
Memory	Supports up to 32GB DDR3 ECC and non-ECC 1366/1600 MT/s SDRAM on 4x 240-pin DIMM sockets (dual channel)
Storage Devices	- 2x SATA III - 3x SATA II - Supports RAID 0,1,5,10 - 1x CFEX (supports CFEX card)
Watchdog Timer	Programmable via S/W from 0.5 sec. to 255 sec.
Hardware Monitoring	On board fan connector (CPU Cooler x1, System Fan x1); temperature and voltages monitoring
Expansion Interface	- 2x PCIe 3.0 x16 slot (1x PCIe x16 or 2x PCIe x8 signal) - 1x PCIe 2.0 x 4 slot - 4x PCI devices at 32-bit 33 MHz

I/O INTERFACE

Super I/O	ITE IT8783F
Audio	- Intel® C216 PCH built-in High Definition Audio up to 192-Khz 32-bit - Realtek ALC886-GR HDA codec - Audio Jack DIP Light Pink/Lime/Light Blue
Ethernet	- Intel® 82579LM and 82583V dual gigabit ethernet controllers - PCIe x1 interface based on gigabit ethernet - 2x RJ-45 connectors with 2x LED indicators at rear I/O panel
Serial Port	- 4x RS-232 - 1x RS-232 and 1x Selectable R-S232/422/485 on rear I/O
USB	- 4x USB 3.0 ports on rear I/O - 6x USB 2.0 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	- Quad Core™ Processor with Intel® HD Graphics 4000 and Integrated Memory Controller - Provided improved 3D multimedia capabilities including Microsoft DirectX 11, Shader Model 4.0, MPEG-2 and OpenGL® 3.1
Display Interface	- VGA: up to 2560x1600 @60Hz - DVI-D :up to 1920x1200 @60Hz - HDMI: up to 1920x1200 @60Hz

Mechanical & Environment

Dimension	- 304.8mm(L) x 243.8mm(W); 12"(L) x 9.6"(W) - PCB: 6 layers
Power Supply	ATX 24-pin power input
Environment	- Operation Temperature: 0°C~60°C (with highest performance on 50 °C) - Storage Temperature: -20°C~80°C - Relative Humidity: 5%~95%, non-condensing
Certification	CE, FCC Class A
MTBF	Over 120,000 hours at 40°C