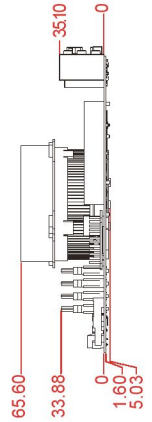
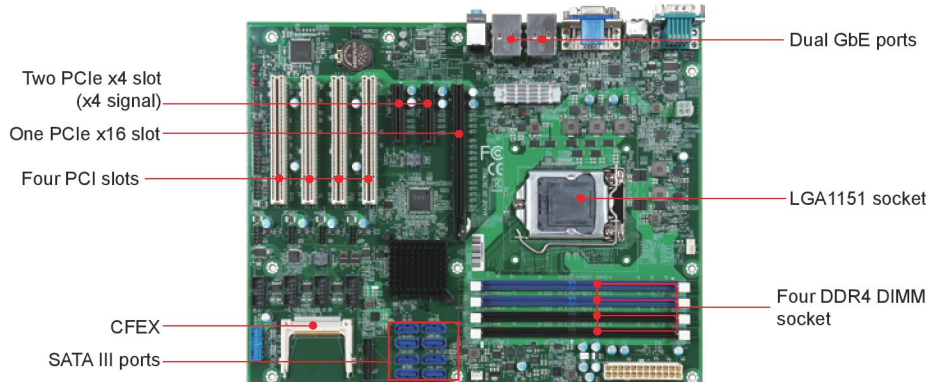


RUBY-D718VG2AR series

Support Desktop Intel®6/7thGenCore™ processor (former KBL / SKL) ATX with DDR4 SDRAM, Triple Displays, Two GbE LAN LAN ports, Six COM Ports

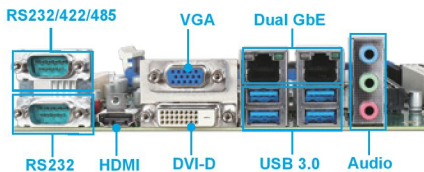


RUBY-D718VG2AR is based on Intel® Q170/C236 chipset and desktop processor support Intel® 6/7th Gen Core™ i3, i5 and i7 Processors. Built with PCI and PCIe expansions, it's suitable for Medical, Industrial automaton, and Digital Signage application.

FEATURES

- Intel® 6/7th Gen Core™ Processors support
- Four Long-DIMMs support DDR4 Non-ECC SDRAM up to 64GB
- Rear I/O, USB 2.0/3.0, dual Gigabit Ethernet, COM Port, and SATA III ports
- One PCIe x16, two PCIe x4, four PCI

REAR I/O



ORDERING GUIDE

AB1-3G14	(R).RUBY-D718VG2AR-kBL ATX.IMB.LGA1151.CPU.Q170.DDR4/VGA/HDMI/DVI/Dual GbE/COM/Audio/USB
AB1-3G15	(R).RUBY-D718VG2AR-C236-kBL ATX.IMB.LGA1151.CPU.Q170.DDR4/VGA/HDMI/DVI/Dual GbE/COM/Audio/USB
AB1-3D29	(R).RUBY-D718VG2AR ATX.IMB.LGA1151.CPU.Q170.DDR4/VGA/HDMI/DVI/Dual GbE/COM/Audio/USB
AB1-3D77	(R).RUBY-D718VG2AR-C236 ATX.IMB.LGA1151.CPU.C236.DDR4/VGA/HDMI/DVI/Dual GbE/COM/Audio/USB

PACKING LIST

One RUBY-D718VG2AR ATX Industrial Main Board
One Installation DVD
One SATA III cable
One I/O shield

GENERAL

Processor	Intel® 6/7 th Gen Core™ Processors in LGA1151 package
Chipset	Intel® Q170 / C236
BIOS	AMI uEFI BIOS (SPI ROM)
Memory	Support up to 64GB DDR4 2133/1866 Non-ECC on four 288 pin DIMM socket
Storage Devices	6x SATAIII port
Watchdog Timer	Programmable by embedded controller
Hardware Monitoring	System monitor(Voltage,Fan Speed and Temperature)
Expansion Interface	- 1x PCIe x16 Gen3 - 2x PCIe x4 Gen3 - 4x PCI

I/O INTERFACE

Super I/O	N/A
Audio	- Realtek ALC886 HAD codec/ Audio codec - Audio Jack on rear I/O with Line-in/ Line-out/ Mic-in
Ethernet	- Intel® I219LM and Intel® I210AT Ethernet controller - 2x RJ45 connectors on rear I/O
Serial Port	- 1x RS232/422/485 port on Rear I/O - 1x RS232 port on Rear I/O - 4x RS232 ports on pin header
USB	- 4x USB3.0 ports on rear I/O - 2x USB3.0 ports on pin header - 8x USB2.0 ports on pin header
Keyboard & Mouse	PS/2 Keyboard & Mouse Pin Header
GPIO	8-bit configurable controlled by embedded controller
Other	Option TPM module with LPC pin header

DISPLAY

Graphic Controller	Intel® Gen 9 graphic engine supports DirectX 12, OpenGL 4.4
Display Interface	- DVI-D: One DP port on rear I/O, resolution up to 1920x1200 @ 60Hz - HDMI: One HDMI port on rear I/O, resolution up to 4K (4096x2160@24Hz) - VGA: One VGA port on rear I/O, resolution up to 1920x1200 @ 60Hz

Mechanical & Environment

Dimension	- 304.8(L) x 243.8(W); 12"(L) x 9.6"(W)
Power Supply	24 Pin ATX power input
Environment	- Operation temperature: 0~60°C - Storage temperature: 40~80°C - Relative humidity: 5~95%, non-condensing
MTBF	Over 120,000 hours at 40°C

