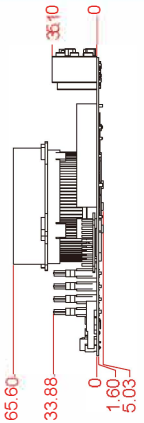
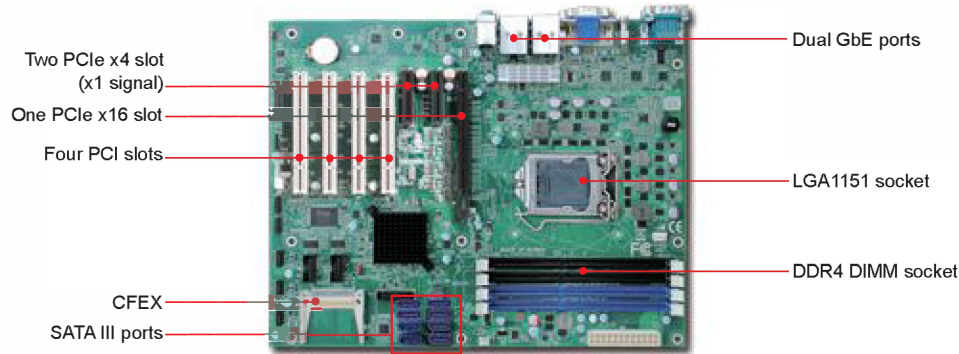


RUBY-D718VG2AR

Leading Desktop Intel® 6th Skylake-S processor ATX with DDR4 SDRAM, Triple Displays, Two GbE LAN ports, Six COM Ports

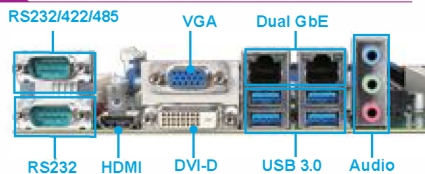


RUBY-D718VG2AR is based on Intel® Q170 chipset and Skylake desktop processor sku like Core™ i7 and i5. Built with PCI and PCIe expansions, it's suitable for Medical, Industrial automaton, and Digital Signage application.

FEATURES

- Intel® 6th Skylake-S processor support
- Four Long-DIMMs support DDR4 ECC/ Non-ECC SDRAM up to 64GB
- Two PCIe x 16, One PCIe x8, Two PCIe x1, two PCI

REAR I/O



ORDERING GUIDE

AB1-3D29	(R).RUBY-D718VG2AR ATX.MB.LGA 1151.CPU Q170.DDR4/VGA/ HDMI/DVI/Dual GbE/COM/Audio/USB
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PACKING LIST

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



GENERAL

Processor	Intel® 6 th Skylake-S processor in LGA1151 package
Chipset	Intel® Q170
BIOS	AMI uFEI BIOS (SPI ROM)
Memory	Support up to 64GB DDR4 2133/1866 ECC/ Non-ECC on four 260pin 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 PClex16 GNE3 - 2x PClex4 GEN3 - 4x PCI

I/O INTERFACE

Super I/O	N/A
Audio	- Realtek ALC886 HAD codec - Audio Jack on rear I/O with Line-in/ Line-out/ Mic-in
Ethernet	- Intel® WGI219LM and Intel® WGI210AT Ethernet controller - 12x RJ45 connectors on rear I/O
Serial Port	- 2x RS232/422/485 port - 4x RS232 port
USB	- 4x USB 3.0 ports on rear I/O (5 Gbps) - 6x USB 2.0 ports on board (480 Mb/s)
Keyboard & Mouse	N/A
GPIO	8-bit configurable controlled by embedded controller

DISPLAY

Graphic Controller	Intel® Gen 9 graphic engine supports DirectX 12, OpnGL 4.4
Display Interface	- DVI-D: One DP port on rear I/O - HDMI: One HDMI port on rear I/O - VGA: One VGA port on rear I/O

Mechanical & Environment

Dimension	- 304 8(L) x 243 8(W);12"(L) x 9 6"(W)
Power Supply	24Pin 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