

# RUBY-D718VG2AR

## FEATURES

- Intel® 7<sup>th</sup> and 6<sup>th</sup> Gen Core™ Processors support
- 4x Long-DIMMs support DDR4 ECC(C236) / Non-ECC(Q170) SDRAM up to 64GB
- 1x PCIe x16, 2x PCIe x4, 4x PCI slots

## GENERAL

Processor	Intel® 7 <sup>th</sup> and 6 <sup>th</sup> Gen Core™ Processors in LGA1151 package
Chipset	Intel® Q170 / C236
BIOS	AMI UEFI BIOS (SPI ROM)
Memory	4x DDR4 1866/2133 MT/s Long-DIMM up to 64GB non-ECC memory
Storage Devices	6x SATA III ports (C236 Supports 8x SATAIII ports)
Watchdog Timer	Programmable by embedded controller
Hardware Monitoring	System monitor voltage, fan speed, and temperature
Expansion Interface	<ul style="list-style-type: none"> <li>- 1x PCIe 3.0 x16 slot</li> <li>- 2x PCIe 3.0 x4 slot</li> <li>- 4x PCI devices at 32 bit 33 MHz</li> </ul>

## I/O INTERFACE

Super I/O	N/A
Audio	<ul style="list-style-type: none"> <li>- Realtek ALC886 HDACodec</li> <li>- Audio jack on rear I/O with Line-out/ Line-in/ Mic-in</li> </ul>
Ethernet	<ul style="list-style-type: none"> <li>- Intel® I219LM and Intel® I210AT Ethernet controller</li> <li>- 2x RJ45 connectors on rear I/O</li> </ul>
Serial Port	<ul style="list-style-type: none"> <li>- 1x RS-232/422/485 on rear I/O</li> <li>- 1x RS-232 on rear I/O</li> <li>- 4x RS-232 on pin header</li> </ul>
USB	<ul style="list-style-type: none"> <li>- 4x USB 3.0 ports on rear I/O</li> <li>- 2x USB 3.0 ports on pin header</li> <li>- 8x USB 2.0 ports on pin header</li> </ul>
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	<ul style="list-style-type: none"> <li>- DVI-D: 1x DVI-D port on rear I/O, up to 1920x1200@60Hz</li> <li>- HDMI: 1x HDMI port on rear I/O, up to 4096x2160 @ 24Hz</li> <li>- VGA: 1x VGA port on rear I/O, up to 1920x1200 @ 60Hz</li> </ul>

## Mechanical & Environment

Dimension	304.8mm(L) x 243.8mm(W)
Power Supply	24-pin Pin ATX power input
Environment	<ul style="list-style-type: none"> <li>- Operation temperature: 0°C~60°C</li> <li>- Storage temperature: -20°C~80°C</li> <li>- Relative humidity: 5%~95%, non-condensing</li> </ul>
Certification	CE,FCC Class A
MTBF	Over 120,000 hours at 40°C

