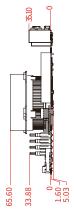
# RUBY-D718VG2AR









# **FEATURES**

- Intel°  $7^{th}$  and  $6^{th}$  Gen  $Core^{{\sc t} M}$  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**

Intel <sup>®</sup> 7 <sup>th</sup> and 6 <sup>th</sup> Gen Core <sup>™</sup> Processors in LGA1151 package
Intel <sup>®</sup> Q170 / C236
AMI UEFI BIOS (SPI ROM)
4x DDR4 1866/2133 MT/s Long-DIMM up to 64GB non-ECC memory
6x SATA III ports (C236 Supports 8x SATAIII ports)
Programmable by embedded controller
System monitor voltage, fan speed, and temperature
- 1x PCIe 3.0 x16 slot - 2x PCIe 3.0 x4 slot - 4x PCI devices at 32 bit 33 MHz

#### **I/O INTERFACE**

Super I/O	N/A
Audio	- Realtek ALC886 HDAcodec - Audio jack on rear I/O with Line-out/ Line-in/ Mic-in
Ethernet	<ul> <li>Intel<sup>®</sup> I219LM and Intel<sup>®</sup> I210AT Ethernet controller</li> <li>2x RJ45 connectors on rear I/O</li> </ul>
Serial Port	<ul> <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> <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 <sup>®</sup> Gen 9 graphic engine supports DirectX 12, OpenGL 4.4
Display Interface	<ul> <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> <li>Operation temperature: 0°C~60°C</li> <li>Storage temperature: -20°C~80°C</li> </ul>
	- Relative humidity: 5%~95%, non-condensing
Certification	CE,FCC Class A
MTBF	Over 120,000 hours at 40°C