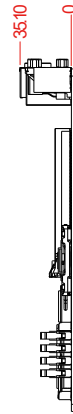
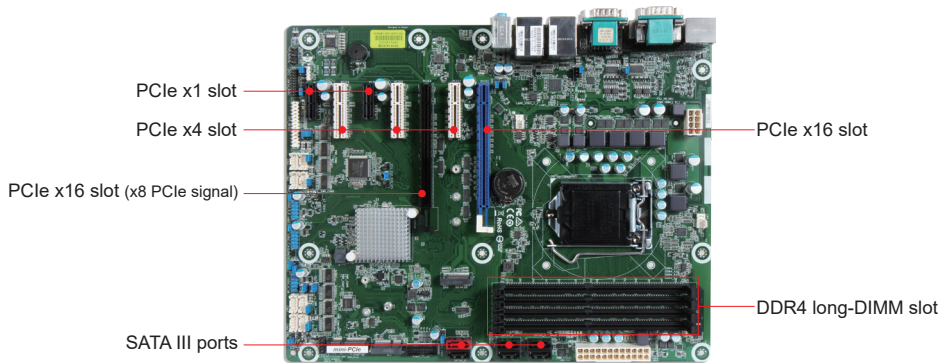


RUBY-D811-Q370

Leading Desktop Intel® 8th/9th Gen Core™ Processors ATX with DDR4 Long-DIMM up to 128G, VGA ,Dual DP ports,HDMI ,Two GbE LAN ports, Ten COM Ports

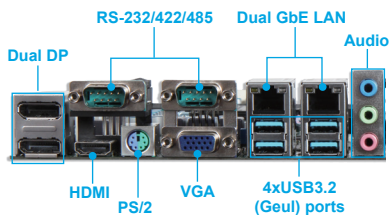


RUBY-D811-Q370 is based on Intel® Q370 chipset and Desktop processors including Intel® 8th/9th Gen Core™ i3/i5/i7 SKU. This board supports DDR4, PCIe 3.0, and SATA III. Those features help you to build high performance and stable system.

FEATURES

- Intel® 8th/9th Gen Core™ Processors support
- Supports four Long-DIMMs support t DDR4 Non-ECC SDRAM up to 128GB
- Supports dual Ethernet, ten COM Ports, six USB3.0 Ports, six SATA III Ports and Audio
- Supports Two PCIe x16 (1x PCIe x8 signal), three PCIe x4 slot, two PCIe x1 slot, one M.2 Type E socket for Wireless, one M.2 Type M socket for SSD, and one mini-PCIe slot

REAR I/O



ORDERING GUIDE

AB1-3D29	(R).RUBY-D811-Q370 ATX ESB.Q370 w/o ECC LGA1151.w/DDR4 / VGA/Dual DP/Dual GbE/COM/Audio/USB
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PACKING LIST

One RUBY-D811-Q370 Main board
One I/O shield
One Installation CD
One SATA cable
One CPU cooler bracket



GENERAL

Processor	Intel® 8 th /9 th Gen Core™ Processors CPU in LGA1151 package
Chipset	Intel® Q370
BIOS	AMI uEFI BIOS
Memory	Supports up to 128GB DDR4 2400/2666MHz Non-ECC SDRAM on four Long-DIMM socket
Storage Devices	Supports six SATA III ports(one is shared with M.2 Key M)
Watchdog Timer	Programmable watchdog timer, time out period from 1 sec to 255 secs.
Hardware Monitoring	System monitor(Voltage,Fan Speed and Temperature)
Expansion Interface	- 2x PCIe x16 (1 x PCIe x8 signal) - 3x PCIe x4 slots - 2x PCIe x1 slots - 1x M.2 Type E socket for Wireless - 1x M.2 Type M socket for SSD - 1x mini-PCIe socket

I/O INTERFACE

Super I/O	NCT5104D
Audio	- Realtek AL887 High Definition Audio integrated in Intel SoC - Audio Jack on rear I/O with Line-in/ Line-out/ Mic-in
Ethernet	- Intel® I219LM & I210AT Ethernet controller - 2x RJ45 connectors on rear I/O
Serial Port	- 2x RS-232/422/485 ports on REAR I/O - 8x RS-232 ports on board pin header
USB	- 4x USB3.0 on rear I/O,2x USB3.0 in pin header - 6x USB2.0 on board pin header
Keyboard & Mouse	PS/2 Keyboard & Mouse Pin Header
GPIO	8-bit configurable controlled by embedded controller

DISPLAY

Graphic Controller	- Intel® UHD Graphics 630 supports DirectX 12, OpenGL 4.5 - Video decode HW acceleration support for H.264, H.265, MPEG2, VC-1/WMV9, JPEG, VP8, and VP9
Display Interface	- HDMI:HDMI ports on rear I/O, resolution up to 4096x2340 - DDI:Dual DP ports on rear I/O, resolution up to 4K (4096x2340) - VGA:One VGA port on rear I/O, resolution up to 1920x1200

Mechanical & Environment

Dimension	304.8mm(L) x 243.8mm(W)
Power Supply	ATX power input
Environment	- Operation Temperature: 0°C to 60°C - Storage Temperature: -20°C to 80°C - Relative Humidity: 5% to 95%, non-condensing
Certification	CE,FCC Class A
MTBF	Over 100,000 hours at 40°C

