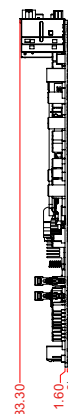
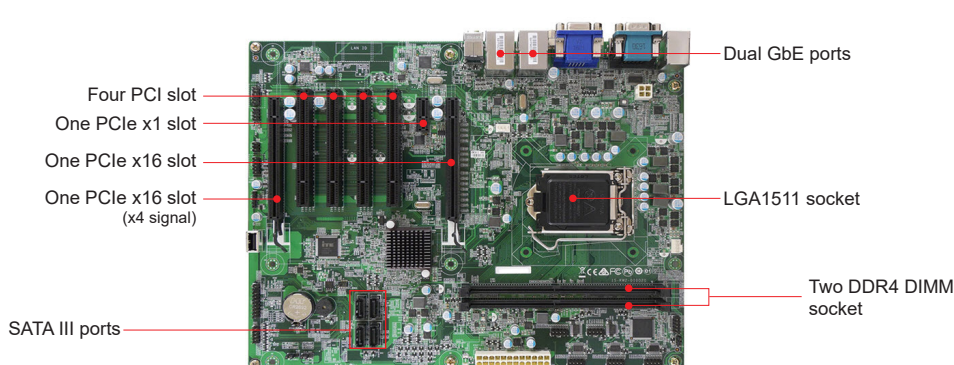




RUBY-D810-H110

Leading Desktop Intel® 7th and 6th Gen Core™ processor (former Kaby Lake/Sky lake) ATX with DDR4 SDRAM, Two GbE LAN ports, VGA DVI-D, HDMI, Six COM Ports



RUBY-D810-H110 is based on Intel® H110 chipset and desktop processor SKU like Intel® 7th and 6th Gen Core™ i3, i5 and i7 Processors. Built with PCI and PCIe expansions, it's suitable for Medical, Industrial automation, and Digital Signage application.

FEATURES

- Intel® 7th & 6th Gen Core™ Processors support
- Supports two Long-DIMMs support DDR4 Non- ECC SDRAM up to 32GB
- Supports display output by VGA, DVI, and HDMI
- Supports total six Com ports(one support RS-232/422/485)
- Supports two PCIe x16(x16 & x4 signal), one PCIe x1 and four PCI slots

REAR I/O



ORDERING GUIDE

AB1-3G36	(R).RUBY-D810-H110 ATX.IMB.LGA1151.CPU.H110.DDR4/VGA/ HDMI/DVI/Dual GbE/COM/Audio/USB
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PACKING LIST

One CPU cooler bracket
One SATA cable
One Installation CD
One RUBY-D810-H110 Main board
One I/O shield

GENERAL

Processor	Intel® 7 th and 6 th Gen Core™ Processors CPU in LGA1151 package
Chipset	Intel® H110
BIOS	AMI UEFI BIOS (SPI ROM)
Memory	Supports up to 32GB DDR4 2133/1866 Non-ECC on two 288 pin DIMM socket
Storage Devices	Supports four SATA III ports
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	- 1x PCIe x16 slot - 1x PCIe x16 slot(PCIe x4 signal) - 1x PCIe x1 slot - 4x PCI slots

I/O INTERFACE

Super I/O	Fintek F81866AD-I
Audio	Realtek ALC662HAD Audio codec Audio Jack on rear I/O with Line-out / Mic-in
Ethernet	- Intel® I219V and Intel® I210AT Ethernet controller - 2x RJ45 connectors on rear I/O
Serial Port	- 1x RS232/422/485 port on rear I/O - 5x RS232 ports on pin header
USB	- 4x USB3.0 ports on rear I/O - 2x USB2.0 ports on rear I/O - 4x USB2.0 ports on pin header(2 x 5pins, 1 x 5pins, Vertical USB type A)
GPIO	8-bit configurable controlled by embedded controller

DISPLAY

Graphic Controller	- Intel® Core™ i5/i7 processors integrated graphic engine - Provided improved 3D multimedia capabilities including Microsoft DirectX 11.1, Shader Model 4.0, MPEG-2 and OpenGL® 3.2
Display Interface	- VGA: up to 2560x1600 @ 60Hz - DVI-D: up to 1920x1200 @ 60Hz - HDMI: up to 1920x1200 @ 60Hz - Support Triple Display

Mechanical & Environment

Dimension	304.8(L) x 243.8(W); 12"(L) x 9.6"(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
MTBF	Over 100,000 hours at 40°C

