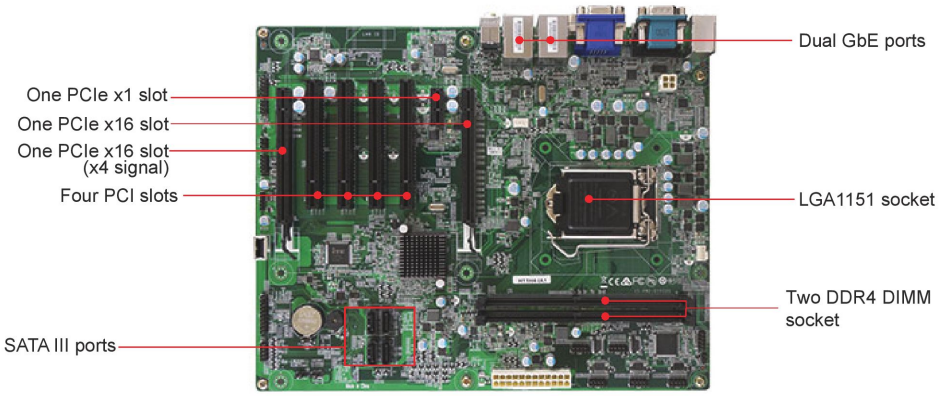
RUBY-D810-H110

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

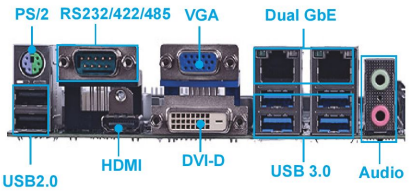


RUBY-D810-H110 is based on Intel ® H110 chipset and desktop processor SKU like Intel® 6/7th Gen Core™ i3, i5 and i7 Processors. Built with PCI and PCIe expansions, it's suitable for Medical, Industrial automatoin, and Digital Signage application.

FEATURES

- Intel® 6/7th Gen Core™ Processors support
- Two Long-DIMMs support DDR4 Non-ECC SDRAM up to 32GB
- Rear I/O,USB2.0/3.0, dual Gigabit Ethernet,COM Port, VGA, DVI, HDMI
- Two PCIe x16, one PCIe x1, four PCI

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

PACKING LIST

One RUBY-D810 ATX Industrial Main Board
One Installation DVD
One SATA III cable
One I/O shield

GENERAL

Processor	Intel® 6/7th Gen Core™ Processors in LGA1151 package
Chipset	Intel® H110
BIOS	AMI UFEI BIOS (SPI ROM)
Memory	Support up to 32GB DDR4 2133/1866 Non-ECC on two 288 pin DIMM socket
Storage Devices	4x SATAIII port
Watchdog Timer	Programmable by embedded controller
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 slot

I/O INTERFACE

Super I/O	Fintek F81866AD-I
Audio	- Realtek ALC662HAD codec/ 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)
Keyboard & Mouse	PS/2 Keyboard & Mouse on rear I/O
GPIO	8-bit configurable controlled by embedded controller
Other	

DISPLAY

Graphic Controller	Intel® Gen 9 graphic engine supports DirectX 12, OpenGL 4.4
Display Interface	- DVI-D:One DP port on rear I/O, resolution up to 1920x1200 @ 60Hz - HDMI:One HDMI port on rear I/O, resolution up to 4K (4096x2160@24Hz) - VGA:One VGA port on rear I/O, resolution up to 1920x1200 @ 60Hz

Mechanical & Environment

Dimension	- 304.8(L) x 243.8(W);12"(L) x 9.6"(W)
Power Supply	24 Pin 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