Jupiter-H110/ Jupiter-H310

Faned Embedded BOX PC

intel IoT Solutions Alliance

ASRock Industrial

Jupiter H110

Jupiter H310

KEY FEATURES

- Intel® 7th/6th Gen LGA1151 Processors, up to 65W (Jupiter H110)
- Intel® 8th Gen LGA1151 Processors, up to 65W (Jupiter H310)
- 2 x 260-pin SO-DIMM up to 32GB DDR4 2133 MHz (16GB per DIMM)
- 4 x USB 3.1 Gen1, 4 x USB 2.0, 1 x M.2 Key E, 1 x M.2 Key M, 1 x COM, 1 x SATA3 (Jupiter H110)
- 2 x USB 3.1 Gen1, 2 x USB 3.1 Gen1(Type C), 4 x USB 2.0, 1 x M.2 Key E, 1 x M.2 Key M, 1 x COM, 1 x SATA3 (Jupiter H310)
- 1 x Realtek 1 Gigabit LAN
- Supports dual display, 1 x HDMI 1.4, 1 x DP 1.4a, 1 x VGA (Jupiter H110)
- Supports dual display, 1 x HDMI 2.0, 1 x DP 1.4a, 1 x VGA (Jupiter H310)
- 1 x 19V/90W AC-DC power brick adapter
- 178 x 178 x 34mm, Faned Barebone

SPECIFICATIONS

Processor System	Jupiter H110	Jupiter H310
CPU	Intel® 7th/ 6th Gen Core™ Processors up to 65W	Intel® 8th Gen (Coffee Lake) Core™ Processors up to 65W
Chipset	H110	H310
Socket	LGA1151	
BIOS	AMI SPI 128 Mbit	

Memory

Technology	Dual Channel DDR4 2133 MHz	
Capacity	32 GB (16 GB per DIMM)	
Socket	2 x 260-pin SO-DIMM	

Graphics

Controller	Intel® HD Graphics	
HDMI	HDMI 1.4a Max resolution up to 4096x2160@24Hz	HDMI 2.0 Max resolution up to 4096x2160@30Hz
DisplayPort	DisplayPort 1.2a Max resolution up to 4096x2160@60Hz	
VGA	Max resolution up to 1920x1200@60Hz	
LVDS	N/A	
eDP	N/A	
DVI	N/A	
MultiDisplay	Dual Display	

Expansion Slot

mini-PCIe/ mSATA	N/A
mini-PCIe	N/A
M.2	1 x M.2 (KEY E, 2230) with PCIe x1 and USB 2.0 for Wireless
SIM Socket	N/A

Audio

Interface	Realtek ALC233, High Definition Audio

Ethernet

Controller/ Speed	1 x Realtek RTL8111GN with 10/100/1000 Mbps
Connector	1 x RJ-45

Storage

M.2	1 x Key M (2280)with PCIe x4 and SATA3 for SSD
mSATA	N/A
SATA	1 x SATA3 (6.0Gb/s)
eMMC	N/A

Front I/O

HDMI	N/A	
DisplayPort	N/A	
USB	4 x USB 3.1 (Gen1)	2 x USB 3.1 (Gen1), 2 x USB 3.1 (Gen1) (Type C)
Audio	2 (Mic-in, Line-out)	

Rear I/O

HDMI	1 x HDMI 1.4a	1 x HDMI 2.0
DisplayPort	1 x DisplayPort 1.2a	
VGA	1	
DVI	N/A	
Ethernet	1 x Realtek 1 Gigabit LAN	
USB	4 x USB 2.0	
Audio	N/A	
COM	1 x COM (RS-232)	
PS2	N/A	

Watchdog Timer

Output	From Super I/O to drag RESETCON#
Interval	256 Segments, 0, 1, 2, ...255sec

Power Requirements

Input PWR	1 x 19V/90W AC-DC power brick adapter
Power On	AT/ATX Supported - AT : Directly PWR on as power input ready - ATX : Press button to PWR on after power input ready

Environment

Operating Temp	0°C ~ 50°C
Storage Temp	-40° C – 85° C
Operating Humidity	10% ~ 90%
Storage Humidity	10% ~ 90%

Mechanical

Construction	Front Panel - Plastic / Base - Metal
Mounting	VESA mounting
Dimensions (W x H x D)	178 x 178 x 34mm
Weight	Net Weight:1.0Kg

Others

OS Support	Windows 7, Windows 10	Windows 10
TPM	N/A	
Certifications	CE, FCC Class A	
Packing List	1 x 19/90W Power Adapter 1 x Screw Package 1 x Product DVD 1 x VESA mounting bracket	

The specification is subject to change without notice. The brand and product names are trademarks of their respective companies. Any configuration other than original product specification is not guaranteed.

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