

Jupiter-H110/ Jupiter-H310

Faned Embedded BOX PC



IoT Solutions
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ASRock
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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® 7 th / 6 th Gen Core™ Processors up to 65W	Intel® 8 th 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
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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 19V/90W Power Adapter 1 x Screw Package 1 x Product DVD 1 x VESA mounting bracket

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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