



KEY FEATURES

- Intel®10th Gen LGA1200 Processors, up to 65W
- 2 x 260-pin SO-DIMM DDR4-2933MHz up to 64GB (32GB per DIMM)
- 2 x USB 3.2 Gen1 (Type-A), 2 x USB 3.2 Gen1 (Type-C), 4 x USB 2.0
- 1 x M.2 Key E, 1 x M.2 Key M, 1 x SATA3, 1 x COM
- 1 x Realtek 1 Gigabit LAN
- Supports dual display, 1 x HDMI 1.4b, 1 x DP 1.4a, 1 x VGA
- 1 x 19V/90W AC-DC power brick adapter
- 178 x 178 x 34mm, Fanned Barebone

SPECIFICATIONS

Processor System

CPU	Intel®10 th Gen (Comet lake-S) Core™ Processors up to 65W
Chipset	H410
Socket	LGA1200
BIOS	AMI SPI 128 Mbit

Memory

Technology	Dual Channel DDR4 2933 / 2666 / 2400 MHz - Intel Core i9 / i7 CPUs support DDR4 up to 2933 MHz - Intel Core i5/i3 CPUs support DDR4 up to 2666 MHz - Intel Pentium/Celeron CPU support DDR4 up to 2400 MHz
Capacity	64 GB (32 GB per DIMM)
Socket	2 x 260-pin SO-DIMM

Graphics

Controller	Integrated Intel®UHD Graphics
HDMI	HDMI 1.4b Max resolution up to 4096x2160@30Hz
DisplayPort	DisplayPort 1.4a Max resolution up to 4096x2160@60Hz
VGA	Max resolution up to 1920x1200@60Hz
MultiDisplay	Dual Display

Expansion Slot

M.2	1 x M.2 Key E (Intel® Wi-Fi 6 3168 + Bluetooth 4.2)
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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
SATA	1 x SATA3 (6Gb/s)

Front I/O

HDMI	N/A
DisplayPort	N/A
USB	2 x USB 3.2 Gen1 (Type-A) 2 x USB 3.2 Gen1 (Type-C)
Audio	2 (Mic-in, Line-out)

Rear I/O

HDMI	1 x HDMI 1.4b
DisplayPort	1 x DP 1.4a
VGA	1
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 Interval	From Super I/O to drag RESETCON# 256 Segments, 0, 1, 2, ...255sec
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Power Requirements

Input PWR Power On	1 x 19V/90W AC-DC power brick adapter AT/ATX Supported - AT : Directly PWR on as power input ready - ATX : Press button to PWR on after power input ready
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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 10
Certifications	CE, FCC Class A
Packing List	- 1 x SATA Data with Power Cable - 1 x Screw Pack - 1 x Stand - 1 x VESA Mount - 2 x Antenna