



KEY FEATURES

- Intel® Alder Lake-N Processors
- 1 x 260-pin SO-DIMM DDR4 3200 MHz, up to 32GB
- 2 x USB3.2 Gen2, 2 x USB2.0, 1 x M.2 Key E, 1 x M.2 Key M, 1 x M.2 Key B, 3 x COM, 1 x SATA3
- 1 x Intel 1 Gigabit LAN, 1 x Intel 2.5 Gigabit LAN
- Supports Triple display, 1 x HDMI 2.0b, 1 x DP 1.4a, 1 x VGA
- 1 x 19V/65W AC-DC power brick adapter
- 200 x 134.5 x 39mm (7.87" x 5.3" x 1.54"), Fanless Barebone

SPECIFICATIONS

Processor System

CPU	Intel® Alder Lake-N SoC Processors
Chipset	iBOX-260J (N97, QC, Max Speed Up to 3.6GHz, 12W)
BIOS	SoC
	AMI SPI 256 Mbit

Memory

Technology	Single Channel DDR4 3200 MHz
Capacity	32GB
Socket	1 x 260-pin SO-DIMM

Graphics

Controller	Intel® UHD Graphics
HDMI	HDMI 2.0b
	Max resolution up to 4096 x 2160@60Hz
DisplayPort	DP 1.4a
	Max resolution up to 4096 x 2160@60Hz
VGA	Max resolution up to 1920 x 1200
MultiDisplay	Triple Display

Audio

Interface	Realtek ALC256 HD, High Definition Audio
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Ethernet

Controller/ Speed	LAN1: Intel® I226V with 10/100/1000/2500 Mbps LAN2: Intel® I210AT with 10/100/1000 Mbps
Connector	2 x RJ-45

Expansion Slot

M.2	1 x M.2 (Key E, 2230) with PCIe Gen3 x1 and USB 2.0 for Wireless 1 x M.2 (Key B, 3042/3052) with PCIe Gen3 x1/USB 3.2/USB 2.0 and SIM for 4G/5G
SIM Socket	1x SIM socket connected to M.2 key B

Storage

M.2	1 x M.2 (Key M, 2242/2260/2280) with PCIe Gen3 x1 or SATA3 for SSD
SATA	1 x SATA3 (6Gb/s)

Front I/O

USB	2 x USB 2.0
COM	2 x COM (RS-232/422/485) 1 x COM (RS-232)

Rear I/O

HDMI	1 x HDMI2.0b
DisplayPort	1 x DP 1.4a
VGA	1
Ethernet	1 x 1 Gigabit LAN, 1 x 2.5 Gigabit LAN
USB	2 x USB 3.2 Gen2

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	9~36V DC-In
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	-20°C ~ 50°C (With extended temp. peripherals)
Storage Temp	-40° C ~ 85° C
Operating Humidity	10% ~ 90%
Storage Humidity	10% ~ 90%

Mechanical

Construction	Aluminum housing
Mounting	VESA mount/Wall mount/Din-rail
Dimensions (L x W x H)	200 x 134.5 x 39mm (7.87" x 5.3" x 1.54")
Weight	Net Weight:1.3kg

Others

OS Support	Windows 10/11
TPM	TPM 2.0 onboard IC
Certifications	CE, FCC
Packing List	1 x 19V/65W Power Adapter 1 x Wall mount kit