

Coming Soon

KEY FEATURES

- COM-HPC carrier board
- Supports COM HPC Size A Module (95x120mm), B Module (120x120mm) and C Module (120 x 160mm)
- Supports 3 Digital Display Interfaces (DDI) with HDMI output, 1 eDP
- 1 x PCIe x16 (Gen5), 1 x PCIe x4 (Gen5), 4 x USB4/TBT, 2 x USB 3.2 Gen2, 2 x USB 2.0, 1 x M.2 Key E, 1 x M.2 Key B, 6 x M.2 Key M, 4 x COM, 2 x SATA3
- 1 x Intel® 1 Gigabit LAN, 1 x slot with 2.5 Gigabit LAN, 1 x Realtek 2.5 Gigabit LAN, 1 x slot with 10 Gigabit LAN
- ATX PWR (24+8-pin) and 8~24V DC-in (8-pin) co-design

SPECIFICATIONS

Form Factor

Dimensions (LxWxH)	ATX (12-in x 9.6-in x 1.4-in, 30.5 cm x 24.4 cm x 3.71 cm)
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Processor System

CPU	By module
Chipset	By module
Socket	By module

Expansion Slot

PCIe	1 x PCIe x16 (Gen5) 1 x PCIe x4 (Gen5)
M.2	1 x M.2 (Key E, 2230) with PCIe Gen4 x1, USB 2.0 and CNVi for Wireless 1 x M.2 (Key B, 3042/3052) with PCIe Gen4 x1, USB 2.0

Audio

Interface	Realtek ALC897, High Definition Audio. Line-in, Line-out, Mic-in
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Ethernet

Controller/Speed	LAN1: 1 x slot with 10/100/1000/2500 Mbps LAN2: Realtek RTL8125BG with 10/100/1000/2500 Mbps LAN3: Intel® I210AT with 10/100/1000 Mbps LAN4: 1 x slot with 10/100/1000/2500/10000 Mbps
Connector	4 x RJ-45

Rear I/O

HDMI	3 x HDMI 2.0b
Ethernet	1 x 1 Gigabit LAN 2 x 2.5 Gigabit LAN 1 x 10 Gigabit LAN
USB	1 x USB4/TBT (Type-C, 5V/3A) 2 x USB 3.2 Gen2 (BOM option with 2 internal USB4)
Audio	3 (Mic-in, Line-out, Line-in)

Internal Connector

USB	3 x USB4/TBT 2 x USB 2.0 (1 x 2.54 pitch header)
COM	COM1, COM2 (RS-232/422/485) COM3, COM4 (RS-232)
Parallel	1
GPIO	6 x GPI, 6 x GPO
eDP	1
SATA PWR Output	1
Speaker Header	1
MIPI Camera Header	2 (MIPI CSI2)

Storage

M.2	4 x M.2 (Key M, 2242/2280) with PCIe Gen3 x4 2 x M.2 (Key M, 2242/2280) with PCIe Gen5 x4
SATA	2 x SATA3 (6Gb/s)

Security

TPM	TPM 2.0 onboard IC
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Watchdog Timer

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

Power Requirements

Input PWR	ATX PWR (24+8-pin) and 8~24V DC-in (8-pin) co-design
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 ~ 70°C
Storage Temp	-40° C ~ 85° C
Operating Humidity	5% ~ 90% (non-condensing)
Storage Humidity	5% ~ 90% (non-condensing)