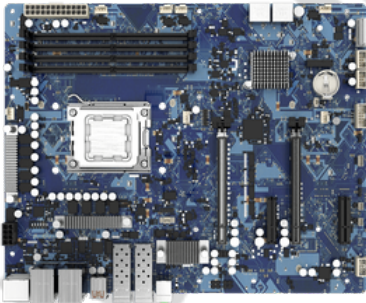




Features

- Supports AMD Ryzen™ 9000/ 8000/ 7000 Series Desktop Processors & EPYC 4004/4005
- 4x 288-pin DDR5 5200 UDIMM. Max. up to 192GB (Non-ECC)
- 2x Intel® I210AT, 2x Broadcom 10GbE LAN
- Dual independent displays supported: DP, HDMI
- 2x M.2 M key 2280 NVMe, 1x M.2 E key 2230
- 2x PCIe x16 Gen 5, 1x PCIe x4 (Open End), 1x PCIe x1
- 4x Dual SATA 3.0
- 6x USB 3.2 Gen 2 x1 (10Gbps), 2x USB 3.2 Gen 1 x1 (5Gbps) (2x Internal), 4x USB 2.0-Ports (Internal)
- Watchdog timer 1~255 sec. System reset
- TPM 2.0 Supported

Specifications

System

- Processor
- AMD Ryzen™ 9000/ 8000/ 7000 Series Desktop Processors
 - AMD EPYC 4004/4005 Processors

System Chipset AMD B650

LAN Chipset LAN1/2: Intel® I210AT GbE LAN
LAN3/4: Broadcom BCM57412 10GbE LAN

Audio Codec Realtek® ALC897-VA2-CG High Definition Audio Codec

System Memory 4x 288-pin DDR5 5200 UDIMM. Max. up to 192GB (Non-ECC)

Graphics AMD Radeon Graphics

BIOS AMI UEFI 256MB SPI flash

Watchdog Software Programmable Supports 1~255 sec. System Reset

Super I/O NUVOTON NCT6126D-S

TPM TPM 2.0

Display

Display Port 1x DP 1.4a up to 4096×2304 @60Hz

HDMI 1x HDMI 2.0, up to 4096 x 2160 @60Hz

Storage

M.2 2x M.2 M Key (2280, PCIe x2) support for NVMe

Expansion

M.2 1x M.2 E Key (2230, PCIe x1, USB 2.0) support for Wifi/Bluetooth

PCIe 2 x PCIe x16 Slots Gen5/Gen4 Supported

1x PCIe x4 open end slot

1x PCIe x1 (PCIe x4 Slot Type)

I/O

Audio 1x Line In / Out

LAN 2x 1GbE RJ45 LAN

2x 10GbE SFP+ LAN

USB 6x USB 3.2 Gen 2 x1 (10Gbps)

Internal I/O

SATA 4 x SATA-3.0 Ports Right Angle Connectors

USB 4x USB 2.0 Internal 2.0PH Headers

2x USB 3.2 Gen 1 x1 (5Gbps)

Operating System

Windows Windows 10/11

Linux Ubuntu 22.04 / 24.04 LTS

Power

Power Mode ATX

Power Connector 1 x 24P ATX-Power Connector

1 x 8P 12V ATX-Power Connector

Mechanical Environment

Form Factor ATX

Operating Temperature 0°C to 60°C

Storage Temperature -20°C to 80°C

Relative Humidity 10% to 90% (non-condensing)

Certification CE, FCC Class B

Physical

Dimensions 305mm x 244mm x 1.6mm

Exports And Tariff Codes

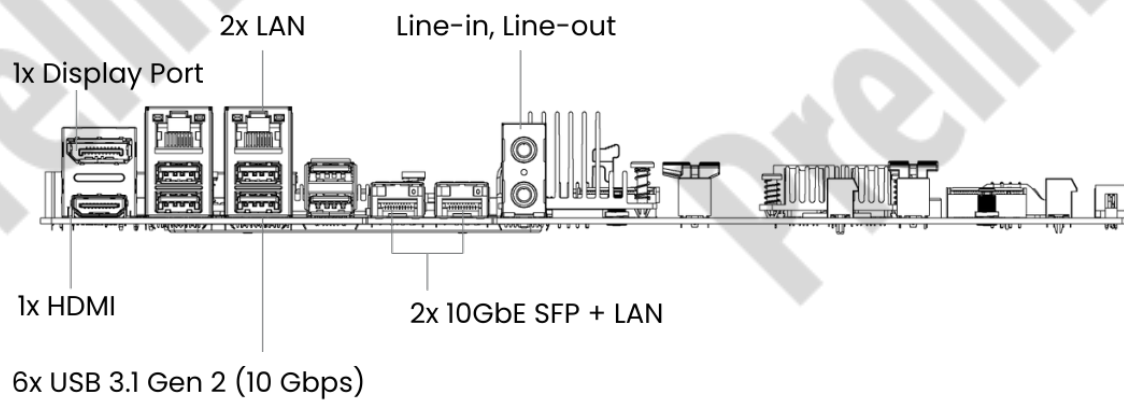
ECCN 5A992.c

HTS 8504.90.2000

ScheduleB 8473.30.0002

* All specifications and photos are subject to change without notice.

External I/O Mechanical Layout



Dimension

Unit: mm

