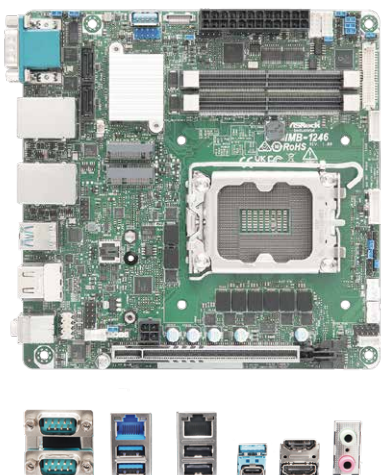




KEY FEATURES

- Intel® Core™ Ultra Processors (Arrow Lake-S) with H810 chipset
- 2 x 262-pin CSO-DIMM DDR5 6400 MHz, SO-DIMM DDR5 5600 MHz, up to 96GB (48GB per DIMM)
- 1 x PCIe x16 (Gen5), 1 x USB4/Thunderbolt™4, 2 x USB 3.2 Gen2, 1 x USB 3.2 Gen1, 4 x USB 2.0, 1 x M.2 Key E, 1 x M.2 Key M, 4 x COM, 2 x SATA3
- 1 x Realtek 2.5 Gigabit LAN, 1 x Intel 1 Gigabit LAN
- Supports Triple display, 2 x HDMI 2.1 TMDS, 1 x DP 2.1 (from Type-C), 1 x LVDS or eDP
- ATX-PWR (24+4-pin)

SPECIFICATIONS

Form Factor

Dimensions	Mini-ITX (6.7-in x 6.7-in x 1.4-in, 17.0 cm x 17.0 cm x 3.6 cm)
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Processor System

CPU	Intel® Core™ Ultra Processors (Arrow Lake-S), up to 65W
Chipset	Intel® H810
Socket	LGA1851
BIOS	AMI SPI 256 Mbit

Memory

Technology	Dual Channel DDR5 5600/6400 MHz
Capacity	96GB (48 GB per DIMM)
Socket	2 x 262-pin SO-DIMM

Graphics

Controller	Intel® Xe LPG Graphics
HDMI	HDMI 2.1 TMDS Max resolution up to 7680x4320@60Hz
DisplayPort	DisplayPort 2.1, DP++ Max resolution up to 4096x2160@60Hz
LVDS	Dual channel 24 bit up to 1920x1200@60Hz (Connector shared with eDP)
eDP	Max resolution up to 1920x1080@60Hz (Connector shared with LVDS)
MultiDisplay	Triple Display (Included 1 output from Type-C)

Expansion Slot

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

Audio

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

Controller/ Speed	LAN1: Realtek® RTL8125BG with 10/100/1000/2500 Mbps LAN2: Intel® I219V with 10/100/1000 Mbps
Connector	2 x RJ-45

Rear I/O

HDMI	2 x HDMI 2.1 TMDS
Ethernet	1 x 2.5 Gigabit LAN 1 x 1 Gigabit LAN
USB	1 x USB4/Thunderbolt™ 4 (5V/3A, supports DP 2.1 display output) 2 x USB 3.2 Gen2 1 x USB 3.2 Gen1 2 x USB 2.0 *For Thunderbolt support, please refer to support list.
Audio	2 (Mic-in, Line-out or Mic-in, Line-in (optional))
COM	COM1 (RS-232) COM3 (RS-232/422/485)

Internal Connector

USB	1 x USB 3.2 Gen1 (vertical con) 2 x USB 2.0 (1 x 2.54 pitch header)
COM	COM4, COM6 (RS-232)
GPIO	4 x GPI, 4 x GPO
LVDS	1 (Connector with LVDS/eDP signal, switch by BIOS)
Speaker Header	1

Storage

M.2	1 x M.2 (Key M, 2242/2280/3052) with PCIe Gen4 x4 and SATA3 (optional) for SSD
SATA	2 x SATA3 (6Gb/s)

Security

TPM	TPM header
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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+4-pin)
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%
Storage Humidity	5% ~ 90%