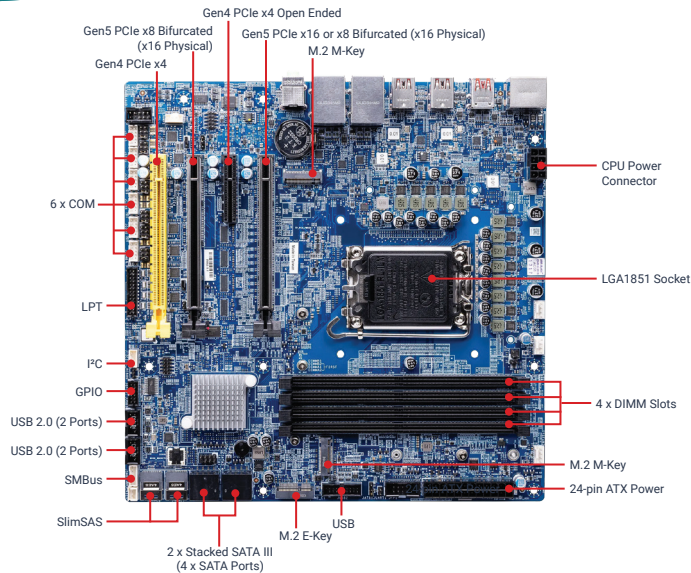




RX880W

Micro ATX, LGA1851 supports Intel® Core™ Ultra processors (Series 2) up to 125W TDP



Features

- LGA1851 supports Intel® Core™ Ultra processors (Series 2) 5/7/9 up to 125W TDP, formerly Arrow Lake S/Arrow Lake S Refresh
- Intel® W880 PCH
- 4 x DIMMs support Dual Channel DDR5 5600MHz up to 192GB
- With ECC support
- Intel® Integrated Xe LPG Architecture (CPU Dependent)
- Supports 4 Independent Displays (via 2 x DP and 2 x Thunderbolt 4)
- 1 x PCIe Gen5 x16 Bifurcated, 1 x PCIe Gen5 x8 Bifurcated, 2 x PCIe Gen4 x4
- 2 x M.2 M-Key NVMe, 1 x M.2 E-Key
- 2 x SlimSAS 4i Connector(SFF-8654) (Gen 4 PCIe x4)
- Rear I/O: 8 x USB 3.2 Gen 2x1 Type-A, 2 x USB Type C Thunderbolt 4.0, 2 x DP++, 2 x LAN (2.5GbE)
- 1 x USB 3.2 Gen 1x1 Header with Shroud (2 Ports on Header)
- 3 x USB 2.0 Headers with Shroud (6 Ports on Header)
- 6 x COM Ports
- Intel® AMT 19, ME 19

SPECIFICATIONS

System	
Processor	LGA1851 supports Intel® Core™ Ultra processors (Series 2) /7/9 up to 125W TDP, formerly Arrow Lake S/Arrow Lake S Refresh
Chipset	Intel® W880 Chipset
Memory	4 x DIMMs support Dual Channel DDR5 5600MHz up to 192GB With ECC support
DMI	x8 Gen4 DMI
BIOS	Socket Type 256Mb SPI BIOS with Optional RPMC Support
Audio Codec	Realtek HD Audio Codec, 3W Per Channel Amplifier
TPM	TPM 2.0
Supported OS	Windows 11, Linux
Expansion Interface	
PCI Express	PCIe Slot 1: 1 x Gen5 PCIe x16 or x8 Bifurcated (x16 Physical) PCIe Slot 3: 1 x Gen5 PCIe x8 Bifurcated (x16 Physical) PCIe Slot 2: 1 x Gen4 PCIe x4 Open Ended PCIe Slot 4: 1 x Gen4 PCIe x4 (x16 Physical Yellow)
M.2	1 x M.2 2242/2280/22100 M-Key NVMe (Gen 5 CPU PCIe x4) 1 x M.2 2242/2280/22100 M Key NVMe (Gen 4 CPU PCIe x4) 1 x M.2 2230 E-Key (Gen4 PCIe x 2 + USB 2.0)
MCIO	2 x SlimSAS 4i Connector (SFF-8654) (Gen4 PCIe x4)
Graphics	
Graphics Engine	Intel® Integrated Xe LPG Architecture (CPU Dependent)
Interface	2 x Dual Mode DisplayPort 1.4 4K@60Hz
Multi-Display	Supports 4 Independent Displays via 2 x DP and 2 x USB Type C Thunderbolt 4.0
Ethernet / LAN	
Controller	2 x Intel® Ethernet Controller I226-LM (2.5GbE)
Interface	2 x RJ-45 LAN

External I/O Ports

Display	2 x DisplayPort++
USB	8 x USB 3.2 Gen 2x1 Type-A 2 x USB Type C Thunderbolt 4.0
LAN	2 x RJ-45 LAN
Audio	1 x Audio Combo Jack

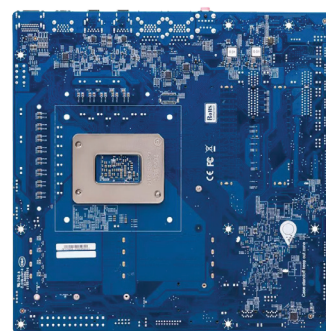
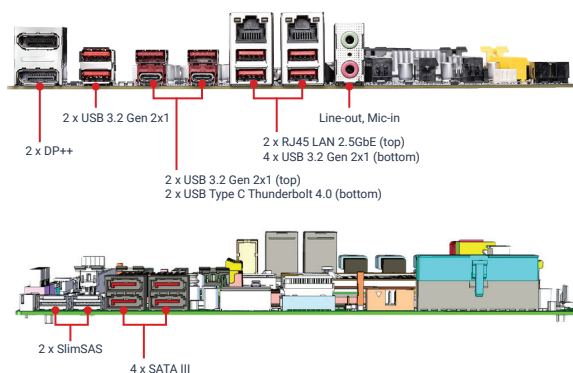
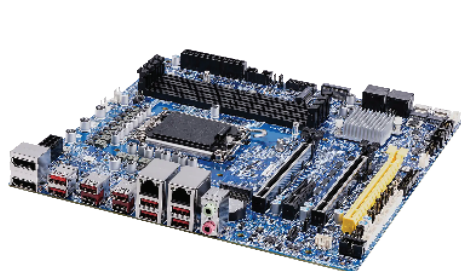
Internal I/O Connectors

USB	2 x USB 2.0 Headers with Shroud (4 Ports) 1 x USB 3.2 Gen 1x1 Header with Shroud (2 Ports)
COM	5 x RS-232 Headers 1 x RS-232/422/485 Header
SATA	4 x SATA III (Right Angle Connectors)
MIO	I²C, SMBus, SPI, Front Audio, Front Panel, 8-bit GPIO, Amplifier

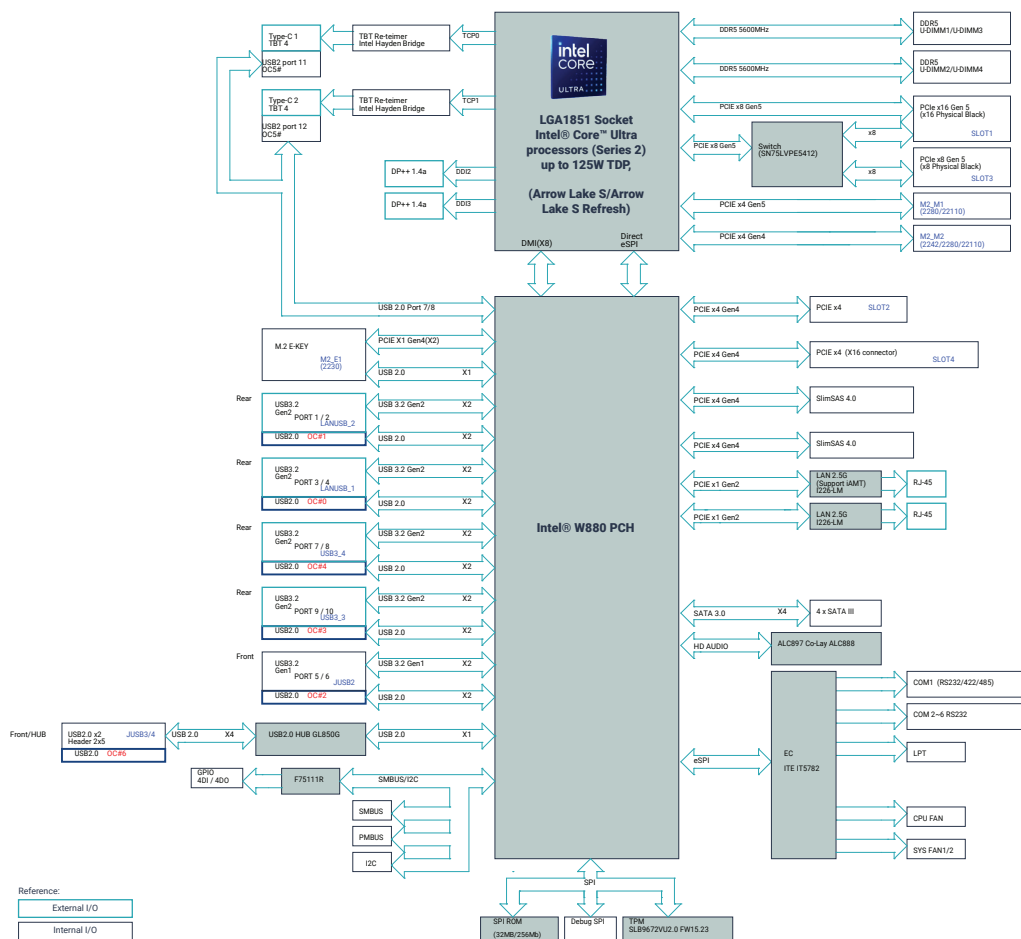
Mechanical, Power, and Environment

Power Type	AT/ATX Mode
Connector	1 x 24-pin ATX Connector, 1 x 8-pin ATX +12V CPU Power Connector
Operating Temp	0 ~ 60°C (32 ~ 140°F)
Storage Temp	-20°C ~ 80°C (-4°F ~ 176°F)
OP Humidity	5% ~ 90% Relative Humidity, Non-condensing
Regulatory Compliance	FCC Class B/CE/UL Second Edition, RoHS Compliant
Form Factor	Micro ATX
Dimensions	9.6" x 9.6" (244 x 244mm)
Weight	approx 1.45 lbs (0.66 kg)

SPECIFICATIONS / ADDITIONAL PRODUCT PHOTOS



BLOCK DIAGRAM



ORDERING INFORMATION

Model Name	CPU/CPU Socket	Description
RX880W	1 x LGA1851	Micro ATX, Intel® W880 PCH, supports Intel® Core™ Ultra processors (Series 2) up to 125W TPD

PACKING LIST

- ✓ 1 x Motherboard
- ✓ 1 x Full Size I/O Shield



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