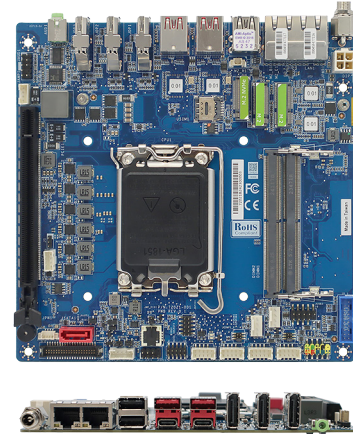




## Features

- LGA 1851 socket supports Intel® Core™ Ultra Processor, formerly the Meteor Lake PS (RTL-PS) Platform
- The Intel® Core™ Ultra Processors combine AI-ready CPU, GPU and NPU delivering stunning graphics and AI focused performance for an edge AI applications
- Thin Mini ITX, low-profile, single stack I/O
- Fanless operation (15W CPU only)
- Select Intel® Core™ Ultra 7 and Core™ Ultra 5 Processor with integrated Intel® ARC™ GPU
- 2 x SODIMM sockets support 5600MHz DDR5 up to 64GB non-ECC
- 1 x Gen4 PCIe x4, 3 x M.2 (E/M/B-Key)
- Dual 2.5 GbE Ethernet LAN ports
- Supports 4 Independent Displays (3 x DP + LVDS/eDP)
- 2 x USB Type C Thunderbolt 4
- 2 x USB 3.2 Gen 2, 2 x USB 3.2 Gen 1, 4 x USB 2.0
- 4 x COM Ports
- 12 - 24V wide range DC-in



## Specifications

System	
<b>CPU</b>	LGA 1851 Socket supports Intel® Core Ultra 3/5/7 Processors, formerly Meteor Lake PS Platform, up to 65W TDP
<b>System Memory</b>	2 x SODIMM sockets support 5600MHz DDR5 up to 64GB non-ECC
<b>BIOS</b>	256Mb SPI BIOS
<b>Audio Codec</b>	Realtek HD Audio Codec
<b>Expansion</b>	1 x Gen4 PCIe x 4 (x16 Physical Slot) 1 x M.2 E-Key 2230 CNVi (PCIe x1 Channel & USB Signal) 1 x M.2 M-Key 2280/2242 supports NVMe (Gen4 PCIe x4) 1 x M.2 B-Key 3042 with Nano SIM Socket (with PCIe x2, SATA III, & USB 3.2 Signal)
<b>TPM</b>	TPM 2.0
<b>OS Support</b>	Win 10 Win 11 Linux Ubuntu
Display	
<b>Chipset</b>	Integrated Intel® ARC™ GPU (CPU Dependent - 45W TDP) Integrated Intel® Graphics (CPU Dependent - 15W TDP)
<b>Display Output</b>	3 x DisplayPort 1.4a @ 60Hz 18/24-bits Dual Channel LVDS, optional eDP
<b>Multi-Display</b>	Supports 4 Independent Displays
Ethernet	
<b>Controller</b>	2 x Intel® Ethernet Controller I226-LM
<b>Ethernet</b>	2 x 10/100/1000/2.5G Base-Tx GbE Compatible
<b>Connector</b>	2 x RJ45 LAN
External I/O	
<b>Display</b>	3 x DisplayPorts (DP++)
<b>USB</b>	2 x USB 3.2 Gen 2 Type A 2 x USB 2.0 Type A 2 x USB Type C Thunderbolt 4
<b>LAN</b>	2 x RJ45
<b>Audio</b>	Line-out
<b>DC-in</b>	1 x Barrel Type DC-in Connector

Internal I/O	
<b>LVDS</b>	1 x LVDS Header 1 x eDP Header (Optional)
<b>USB</b>	1 x USB 3.2 Gen 1 Header (2 Ports) 1 x USB 2.0 Header (2 Ports)
<b>COM</b>	2 x RS-232/422/485 Headers 2 x RS-232 Headers
<b>SATA</b>	1 x SATA III
<b>Other</b>	1 x 8-bits GPIO Header 1 x I <sup>2</sup> C, 4-pin DC-in Connector
Mechanical & Environment	
<b>Power Requirement</b>	12V-24V Wide Range DC-In
<b>Operating Temp.</b>	0°C ~ 60°C (32°F ~ 140°F)
<b>Storage Temp.</b>	-20°C ~ 80°C (-4°F ~ 176°F)
<b>Operating Humidity</b>	5% ~ 90% Relative Humidity, Non-condensing
<b>Cooling Design</b>	Optional Passive Heatsink (15W CPU only)
<b>Certification</b>	FCC Class B/CE/UL Second Edition RoHS Compliant
<b>Form Factor</b>	Mini ITX
<b>Dimensions</b>	6.7"x 6.7" (170mm x 170mm)
<b>Certification</b>	FCC Class B/CE RoHS Compliant
<b>Weight</b>	0.88 lbs (0.4 KG)

\* All product specifications and images are subject to change without notice. Last update: 04/29/2024

