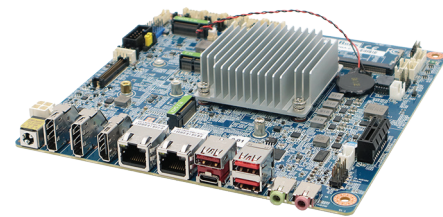
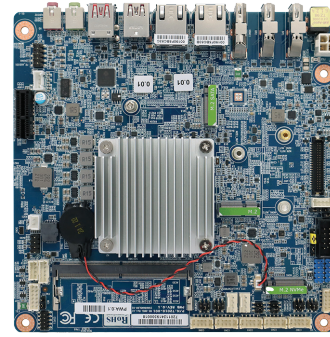


Features

- Intel® Processor N97, low power Quad-core Soc (12W TDP), Intel® Alder Lake N platform
- Build-to-Order on Intel® Atom® Processors Amston Lake (up to 15W TDP) platform
- Low-profile design, Value-Packed Thin Mini ITX Motherboard
- Integrated Intel® UHD Graphic, supports 3 Independent Displays: 2 x DP 1.4a 4K, 1 x HDMI 1.4b, LVDS/eDP
- Dual 2.5GbE LAN: 2 x Intel® Ethernet Controller I226-V
- 1 x USB Type C OTG
- 3 x USB 3.2 Gen2 Type A, 4 x USB 2.0
- 6 x COM/Serial Ports
- Expansion Slots: M.2 E-Key, M-Key, B-Key, PCIe x1
- 12V-24V Wide Range DC-In
- TPM 2.0
- Passive Cooling with Optional Cooling Fan

Specifications

System	
CPU	Intel® Processor N97, Quad-core SoC processor (12W TDP), formerly Alder Lake N Platform Optional Build-to-Order: Intel® Atom® Processors (up to 15W TDP), formerly Amston Lake Platform
System Memory	1 x SODIMM socket supports DDR5 4800MHz up to 16GB, non-ECC Support
BIOS	256Mb SPI BIOS
Audio Codec	Realtek HD Audio Codec
Expansion	1 x PCIe x1 Open Ended 1 x M.2 E-Key 2230 supports CNVi (PCIe x1 & USB 2.0) 1 x M.2 M-Key 2280/2242 supports NVMe (PCIe x2) 1 x M.2 B-Key 3042 with Nano SIM Socket (SATA III & USB 3.2)
TPM	TPM 2.0
Supported OS	Win 10, Win 11, Linux
Display	
Chipset	Integrated Intel® UHD Graphic
Display Output	2 x DisplayPorts 1.4a 4K @ 60Hz 1 x HDMI 1.4b 1 x LVDS, optional eDP
Multi-Display	Supports 3 Independent Displays
Ethernet	
Controller	2 x Intel® Ethernet Controller I226-V/I226-LM
Ethernet	2 x 10/100/1000/2.5G Base-Tx GbE Compatible
Connector	2 x RJ45 LAN
External I/O	
Display	2 x DisplayPorts (DP++) 1 x HDMI
USB	3 x USB 3.2 Gen2 Type A 1 x USB 3.2 Gen2 Type C OTG
LAN	2 x RJ45
Audio	Line-out, Mic-in
DC-in	1 x DC-in



Internal I/O	
Display	1 x LVDS Header 1 x eDP Header (Optional)
USB	2 x USB 2.0 Header (4 Ports)
COM Port	2 x RS-232/422/485 Headers 4 x RS-232 Headers
SATA	1 x SATA III
Other	1 x 8-bits GPIO Header I²C, SMBUS, 4-pin DC-in Connector
Mechanical & Environment	
Power Requirement	12V-24V Wide Range DC-In
Operating Temp.	0°C to 60°C (32°F ~ 140°F)
Storage Temp.	-20°C ~ 80°C (-4°F ~ 176°F)
Operating Humidity	5% ~ 90% Relative Humidity, Non-condensing
Cooling Design	Passive Cooling with Optional Cooling Fan
Form Factor	Mini ITX
Dimensions	6.7" x 6.7" (170mm x 170mm)
Certification Information	FCC Class B/CE UL/CB, RoHS and REACH Compliant
Weight	0.88 lbs (0.4 KG)

Ordering Info	
MX97N	Mini ITX with Intel® Processor N97 SoC onboard
Accessory Included	1 x Full Height I/O Shield 1 x Low-profile I/O Shield
Build-to-Order (BTO)	For Mini ITX with Intel® Atom® Processors Amston Lake platform, please contact BCMSales@bcmcom.com.

* All product specifications and images are subject to change without notice. Last update: 10/30/2024

