

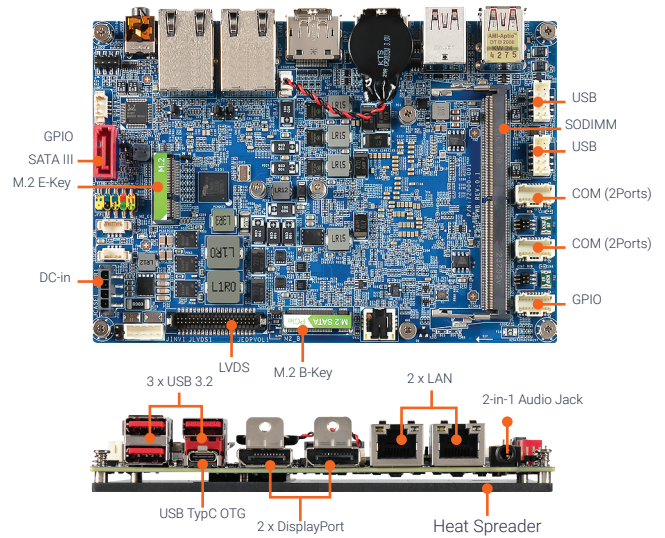
# ECM-ADLN-N97

3.5" SBC, 12th Gen Intel® Processor N97, Quad-core, Fanless Operation, Low-profile Design

Coming Soon

## Features

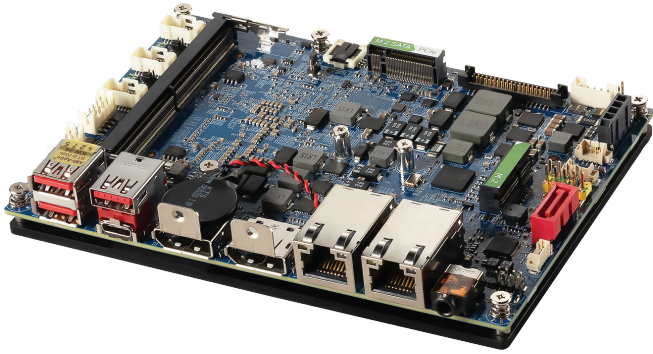
- Intel® Processor N97 onboard, up to 3.60 GHz, up to 12W TDP
- Intel® Alder Lake-N Platform
- 1x SODIMM socket support DDR5 4800 MT/s up to 16GB
- 32GB eMMC Onboard
- Supports 3 Independent Displays: 2 x DisplayPort 1.4b 4K@60Hz, LVDS/eDP
- USB Typc-C OTG
- 3 x USB 3.2 Gen2 Type-A (Red), 4 x USB 2.0, 2 x COM, 1 x SATAIII
- 2 x Intel® Ethernet Controller I226-V (2.5GbE)
- M.2 B-Key 2242/3042 with Nano SIM Card Socket
- 12V-24V Wide Range DC-In
- Fanless Operation (12W CPU)
- Heat Spreader Cooling Design



## Specifications

System	
<b>CPU</b>	Intel® Alder Lake-N Platform Intel® Processor N97, 6M Cache, up to 3.60 GHz, up to 12W TDP. Optional SKU for using Intel® Atom® or Pentium® 15W Processor, please contact BCMSales@bcmcom.com
<b>System Memory</b>	1 x SODIMM socket support DDR5 4800 MT/s up to 16GB
<b>BIOS</b>	256Mb SPI BIOS
<b>Expansion Slots &amp; Storage</b>	1 x M.2 E-Key 2230, CNVi Support (PCIe x 1 + USB 2.0) 1 x M.2 B-Key 2242/3042 with Nano SIM Card Socket (PCIe x1, SATAIII, & USB) 32GB eMMC Onboard
<b>TPM</b>	TPM 2.0
<b>Supported OS</b>	Win 10 Win 11 Linux Ubuntu
Display	
<b>Chipset</b>	Intel® UHD Graphics
<b>Interface</b>	2 x DisplayPort 1.4b 4K@60Hz 1 x LVDS/eDP
<b>Multi-Display</b>	Support 3 Independent Displays
Audio	
<b>Chipset</b>	Realtek HD Audio
<b>Amplifier</b>	3W Per Channel Amplifier

Ethernet	
<b>Controller</b>	2 x Intel® Ethernet Controller I226-V (2.5GbE)
<b>Connector</b>	2 x RJ45
External I/O	
<b>Display</b>	2 x DisplayPort
<b>USB</b>	3 x USB 3.2 Gen2 Type-A (Red) USB Type-C OTG
<b>LAN</b>	2 x RJ45
<b>Audio</b>	Combo Audio Jack- Line-out and Mic-in
Internal I/O	
<b>Display</b>	1 x LVDS Header 1 x eDP Header (Optional)
<b>USB</b>	2 x USB 2.0 Headers (4 Ports)
<b>COM</b>	2 x RS232 2 x RS232/422/485
<b>SATA</b>	1 x SATAIII, 1 x SATA Power Connector
<b>GPIO</b>	1 x 8-bits GPIO Header
<b>DC-in</b>	1 x 4-pin DC-in Connector



### Mechanical & Environment

<b>Power Requirement</b>	12V-24V Wide Range DC-In
<b>Operating Temperature</b>	0°C ~ 60°C (32°F ~ 140°F)
<b>Storage Temperature</b>	-20° C ~ 80° C (-4°F ~ 176°F)
<b>Operating Humidity</b>	5% to 90% non-condensing
<b>Cooling Design</b>	Heat Spreader
<b>Form Factor</b>	3.5" Single Board Computer (SBC)
<b>Certification Information</b>	CE, FCC Class B, RoHS Compliant
<b>Dimensions</b>	5.7" x 4" (146mm x 102mm)
<b>Weight</b>	0.44lbs (0.2kg)

### Ordering Info

<b>ECM-ADLN-N97</b>	3.5" SBC with Intel® Processor N97 Onboard
<b>Accessory</b>	1 x SATA Power Cable 1 x DC-In Power Cable
<b>OEM/ODM</b>	Optional SKU for using Intel® Atom® or Pentium® 15W Processor, please contact BCMSales@bcmcom.com

\* All product specifications and images are subject to change without notice. Last update:09/21/2023



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 & Embedded Computing

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