



NUC-TWL

Compact Fanless Embedded Computer with Intel® Processor N150 Quad-core Processor Onboard



Features

- Motherboard Inside: ECM-TWL-N150 3.5" SBC
- Intel® Processor N150 onboard
- 1 x SO-DIMM socket supports DDR5 4800 MT/s up to 16GB
- 2 x DisplayPort 1.4b 4K@60Hz
- 2 x LAN, Intel® Ethernet Controllers I226-LM
- 3 x USB 3.2 Gen2 Type-A, 1 x USB 3.2 Gen2 USB Type-C OTG
- 1 x COM Port
- 1 x Combo Audio Jack
- 1 x M.2 2242/3042 B-Key, 1 x M.2 2230 E-Key
- 12V to 24V DC Input, Lockable DC Jack
- TPM 2.0
- Fanless Operation
- Supports Windows 10/11
- 100mm x 100mm VESA Mount Integrated
- Din Rail Mounting Kit (Not included, optional)

SPECIFICATIONS

System	
Motherboard	ECM-TWL-N150 3.5" SBC
Processor	Intel® Processor N150, quad-core, 6M Cache, up to 3.60 GHz, up to 6W TDP Intel® Twin Lake N Platform
Chipset	SoC
Memory	1 x SO-DIMM socket supports DDR5 4800 MT/s up to 16GB
Display Chipset	Intel® UHD Graphics Support Dual Displays
Ethernet	2 x Intel® Ethernet Controller I226-LM (2.5GbE)
Audio Codec	Realtek HD Audio Codec
Expansion	1 x M.2 E-Key 2230, CNVi Support (PCIe x1 + USB 2.0) 1 x M.2 B-Key 2242/3042 with Nano SIM Card Socket (PCIe x1, SATAIII, & USB)
System Fan	Fanless
TPM	TPM 2.0
Supported OS	Win 10, Win 11
External I/O - Rear	
Display	2 x DisplayPort++ 1.4b 4K@60Hz
USB	3 x USB 3.2 Gen2 Type-A 1 x USB 3.2 Gen2 USB Type-C OTG
LAN	2 x RJ45
DC	1 x Lockable DC Jack
Audio	1 x Combo Audio Jack
SMA	2 x Knockout for SMA Connectors
COM	1 x COM Port

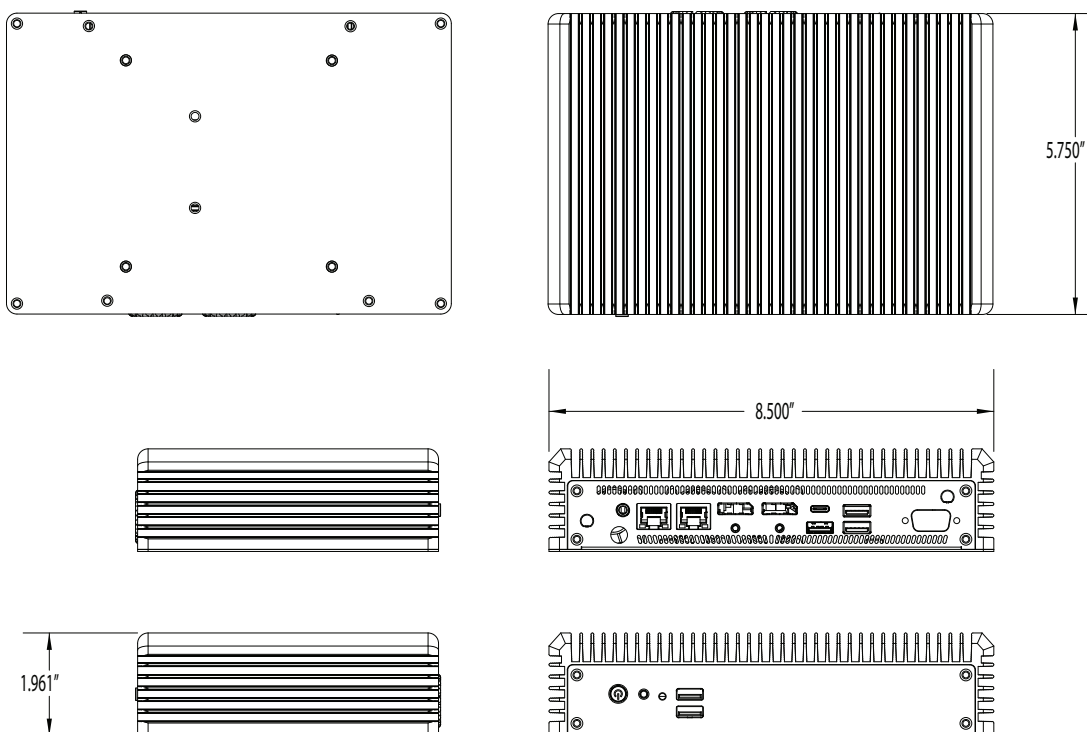
External I/O - Front	
USB	2 x USB 2.0
Power	1 x Power Button
Other	1 x Reset Button 1 x HDD LED Indicator
Mechanical, Power, and Environment	
Power Requirement	12V-24V Wide Range DC-In
Power Adapter	19V 120W Power Adapter
Operating Temp	0°C ~ 40°C (32°F ~ 104°F)
Storage Temp	-20° C ~ 75° C (-14°F ~ 167°F)
OP Humidity	5% to 85% non-condensing
Cooling Design	Fanless through Aluminum Fin
Mounting	100mm x 100mm VESA Mount Integrated Din Rail Mounting Kit (Not included, optional)
Regulatory Compliance	FCC Class B/CE RoHS Compliant
Dimensions	8.50" x 5.75" x 1.96"
Weight	approx 4 lbs (1.8 kgs)

SPECIFICATIONS / ADDITIONAL PRODUCT PHOTOS



DIMENSIONS

Unit: inch



ORDERING INFORMATION

Model Name	Description
NUC-TWL	ECM-TWL-N150, Intel® Processor N150 onboard
Included	19V 120W Power Adapter. US Power Cord

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