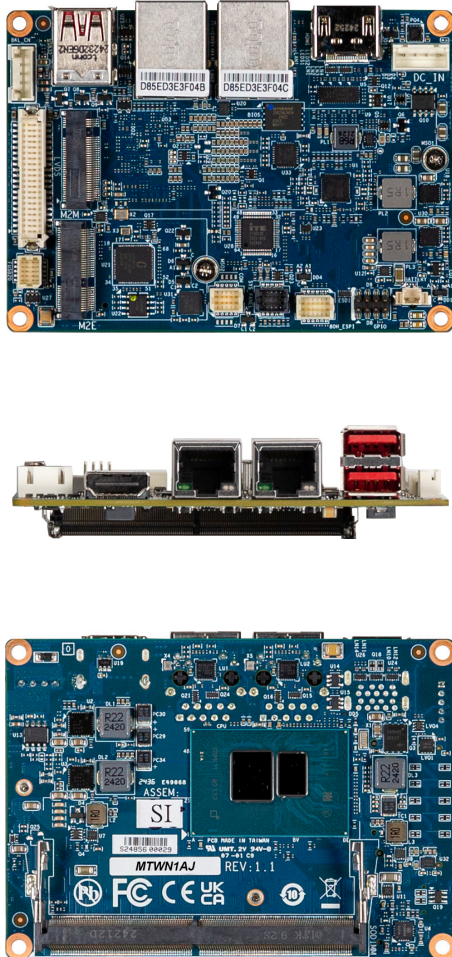


PICO-N150A (MTWN1AJ)

PICO-ITX with Intel® Processor N150, Single Channel DDR5 memory, 2 x USB 2.0, 2 x USB 3.2 Gen 2x1



Features

- PICO-ITX form factor
- Intel® Processor N150
- Single Channel DDR5, 1 x DIMM
- 1 x HDMI Port
- 2 x USB 3.2 Gen 2x1
- 2 x USB 2.0 headers

Video	Integrated Graphics Processor - Intel® Graphics support: 1 x HDMI 2.0 port, supporting a maximum resolution of 4096x2160 @60Hz 1 x LVDS port, supporting a maximum resolution of 1920x1200 @60Hz (2 independent display outputs)
Expansion Slots	1 x 2280 M.2 M-Key (PCIe Gen 3x2) 1 x 2230 M.2 E-Key (PCIe x1, USB 2.0)
Internal I/O	1 x 4-pin box power connector (+12VDC) 1 x Front panel header 1 x COM header (RS-232/422/485) 2 x USB 2.0 headers 1 x GPIO (4-bits) header 1 x Backlight Control header
Rear I/O	2 x USB 3.2 Gen 2x1 2 x RJ45 LAN Ports 1 x HDMI
TPM	Onboard TPM 2.0 security chip INFINEON SLB9670VQ2.0
OS Compatibility	Windows 11 IoT Enterprise LTSC 2024(24H2) (x64)
Operating Properties	Operating temperature: 0°C to 60°C Operating humidity: 60°C @ 20-95% (non-condensing) Non-operating temperature: -40°C to 85°C Non-operating humidity: 85°C @ 95% (non-condensing)
Packing Content	Carton size: 384 x 251 x 211 (mm) Packing Capacity: 20pcs Single Box size: 168 x 112 x 34 (mm)
Order Information	9MTWN1AJMR-SI (Box packing)

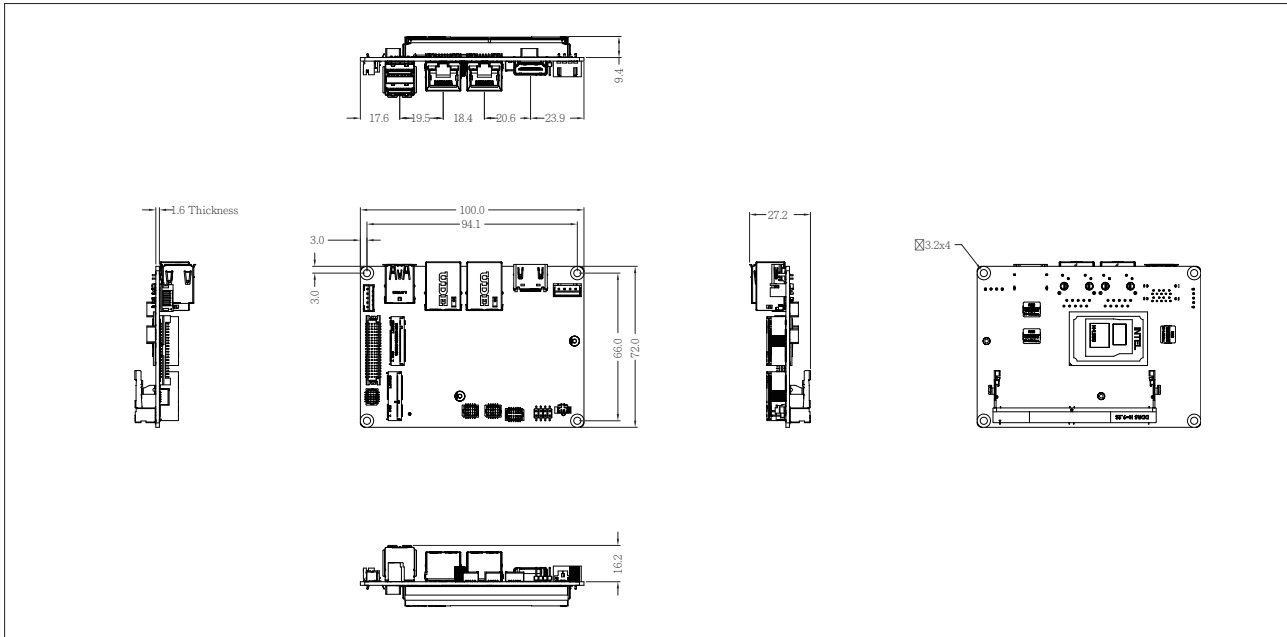
Specifications

Form Factor	PICO ITX 100W x 72D (mm)
CPU	Intel® Processor N150 Intel 7, 4 cores, up to 3.60 GHz TDP 6W
Socket	FCBGA1264
Memory	1 x DDR5 SO-DIMM socket, Max. Capacity 16 GB Support Single Channel DDR5 4800 MHz memory modules
Ethernet	2 x GbE LAN Ports (Realtek® RTL8111H)

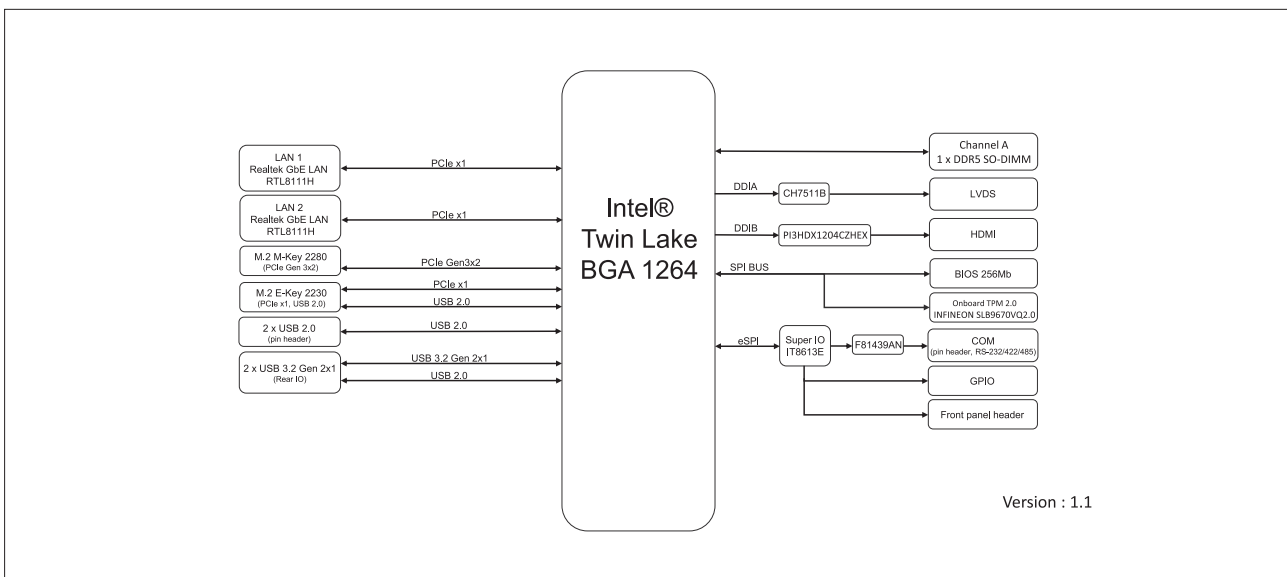
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Dimension (Unit: mm)

2026/02/03



Block Diagram



Optional Kit

Part No.	Description	Quantity
25ST1-1231ZD-Z1R	Fanless Heatsink	1
25ST1-1531Z2-S7R	WiFi module Heatsink	1
25ST1-1231ZE-S7R	M.2 SSD Heatsink	1

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