

JW N150T V1.0

Intel Twin Lake Platform AIO Motherboard

JWIPC N150T all-in-one motherboard is based on the Intel Twin Lake platform processor; it supports single-channel DDR4 memory, SATA/NVME mode M.2 SSD, and various network access modes including RJ45/WIFI/BT. It also supports a wide range of peripheral interfaces, making it suitable for different types of all-in-one machines in the industry.



- Based on the Intel Twin Lake platform
- Single-channel SO-DIMM DDR4 memory
- 1×M.2 2230 slot (supports WIFI/BT)
- 1×M.2 2280 slot (supports SATA/NVME mode)
- Rear IO provides 4×USB3.0 ports
- Onboard pin header can expand 3 USB2.0 ports
- 1 x HDMI, 1 x LVDS
- 1 x COM (optional 1 x VGA)
- 1 x Gigabit network card, supports Wake-on-LAN function
- Supports LVDS gravity sensing (Sensor version only)

01 Specifications

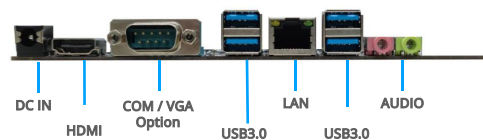
CPU	N150: Quad-core 0.8GHz (max turbo frequency: 3.6GHz), TDP: 6W
Chipset	Twin Lake
Graphics	Intel integrated graphics
Memory	1×DDR4 SO-DIMM DDR4 2933MHz/3200MHz Max: 16G
Display Interface	1x HDMI, 1x LVDS, 1x VGA (optional)
Audio	Realtek ALC897 High Definition Audio Chip
Storage	1× M.2 2280 Slot (supports SATA/NVME mode) 1× SATA3.0 Interface + 1× SATA Power Interface
Network	1× RJ45 Gigabit Ethernet Port, RTL8111M
WiFi	1× M.2 2230 Slot (supports WIFI/BT)
Serial Port	1× COM Interface (optional 1× VGA interface); Onboard: Provides 1 x 9-pin header (usable as COM onboard header when VGA is selected)
Audio Interface	1 x Line out, 1 x Mic in; 3.5mm Audio Jack 1 x F_Audio Header (2 x 5-1 2.54mm specification); 1 x 4-pin Speaker Interface (3W/4Ω x2)
USB Interface	Rear IO: 4× USB3.0 Onboard: 2 sets of USB2.0 headers, expandable to 3 USB2.0 ports
LVDS	1×LVDS 30PIN pin header, 1×LCD_VOL_SEL display voltage jumper (5V/12V) 1×4PIN KEY pin header, 1×LVDS_OFF jumper
Backlight	1×8PIN INVERTER interface (backlight +/-)
Pin Headers	1×4PIN CPU fan
Others	1×FPANEL panel pin header, 1×BIOS pin header, 1×DC socket
Power Input	12V DC IN, 2.5/5.5 DC Jack power interface
BIOS Support	128M flash ROM, AMI UEFI BIOS, PC Health
Dimensions	Thin Mini-ITX motherboard specification, 170mm x 170mm x 4L
Operating Temperature	-10~50 degrees Celsius
Operating Humidity	10%~90% non-condensing
Storage temperature	-20~70 degrees Celsius
Non-operating humidity requirement	5%~95% non-condensing
Operating system	Win10 / W11 / Ubuntu

Product view

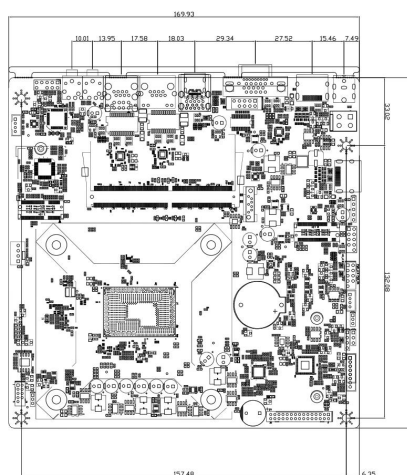
Front I/O



Standard Configuration:



Dimensions



Product Selection

Model	Product Configuration
JW N150T V1.0	1*LAN/4*USB3.0/1*COM/1*HDMI/1*LVDS
JW N150T-S V1.0	1*LAN/4*USB3.0/1*COM/1*HDMI/1*LVDS (Sensor version)
JW N150T-VGA V1.0	1*LAN/4*USB3.0/1*VGA/1*HDMI/1*LVDS