



NEIMB-PLPAT

Pico-ITX Industrial Motherboard (148x102 mm)
Intel® Core™ i5-1345URE / i5-1335U / i5-1235U (Raptor Lake-P)

Features

Intel Core i5-1345URE / i5-1335U / i5-1235U (Raptor Lake-P / Alder Lake-P)
2 x DDR5 5200 MHz SO-DIMM, up to 96GB
1 x M.2 Key M (PCIe4.0 x4 NVMe) / 1 x M.2 Key B (4G/5G) / 1 x SATA3
Quad Display: LVDS/eDP / HDMI® / DP++ / 2 x USB-C
2 x USB-C (USB3.2 Gen2) + 2 x USB2.0 / Hailo-8 AI 26 TOPS (opt)
2 x 2.5G LAN (Intel i226-V + i226-LM)
3 x COM (RS232/422/485) / 1 x COM (RS232) / DC-IN 9~24V

Specifications

Processor	Intel Core i5-1345URE / i5-1335U / i5-1235U (Raptor Lake-P / Alder Lake-P)
	Onboard (SoC)
Memory	2 x DDR5 5200 MHz SO-DIMM, up to 96GB
GRAPHICS	Intel® Integrated Graphics, quad display: HDMI® 4096x2160@60Hz / DP++ 4096x2160@60Hz / 2x USB-C 4096x2160@60Hz / LVDS/eDP 1920x1200@60Hz
Storage	1 x SATA3 connector
	1 x M.2 M Key 2242/2260/2280 support PCIe4.0 x4 NVMe
Board edge I/O interface	3 x COM connector, support RS-232/422/485 (COM1-3) / 1 x COM RS-232 (COM4)
	1 x HDMI® connector / 1 x DP++ connector / 2 x USB-C connector / 1 x LVDS/eDP
	2 x RJ45 connector, support 2.5G (1 x i226-V / 1 x i226-LM)
	2 x USB-C combo (USB3.2 Gen2 Type A) on rear I/O
	ALC897 w/ ALC105, support 4Ω 2W amplifier (not support wide temp)
	2 x USB2.0 (2x5 pin header)
Extended interface/function	1 x M.2 E Key 2230 support PCIe3.0 x1 + USB2.0 (WiFi/BT)
	N/A
	N/A
Power supply	DC-IN 9~24V (1x2 pin Phoenix connector)
Working environment	Working temperature: 0°C ~ +60°C; Humidity: 5% ~ 90%
	Storage temperature: -40°C ~ +85°C; (wide temp -40°C~+85°C opt.) Storage humidity: 0% ~ 90% relative humidity, no condensation
Operating system	Windows 10/11 IoT Enterprise, Ubuntu 22.04
Size	148 x 102 x 1.6 (mm)
Weight	N/A

Dimension

148 x 102 x 1.6 (mm)