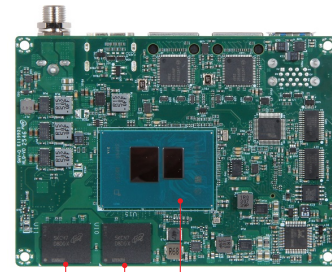
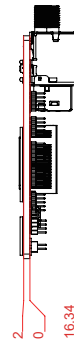
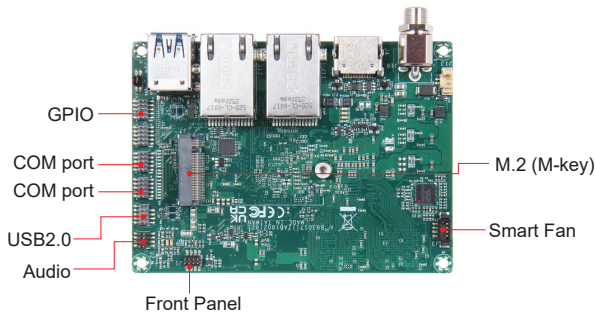


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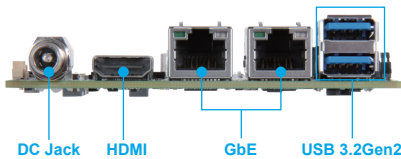
Pico-ITX Embedded Board Featuring Intel® Processor N150 and Intel Atom® x7433RE/x7211RE Processors with HDMI, Dual GbE LAN, Dual USB 3.2 Gen2, M.2, LPDDR5



FEATURES

- Intel® Processor N150 (formerly Twin Lake) and Intel Atom® x7433RE/x7211RE Processors (formerly Amston Lake)
- Up to 16GB LPDDR5 4800MT/s onboard
- 1x HDMI® 1.4 , 2x GbE, 2x USB 3.2
- 1x M.2 2242 Key M
- 2x COM, GPIO, TPM 2.0, 12V DC Jack

REAR I/O



General

Processor	Intel® Processor N150 Intel Atom® x7433RE Processor Intel Atom® x7211RE Processor
BIOS	AMI uEFI BIOS
Memory	Supports up to 16GB LPDDR5 4800 MT/s onboard
Watchdog Timer	Programmable, time out period from 1 sec to 255 secs
Graphic Controller	Intel® Graphics

Rear I/O

Ethernet	2x Intel I210AT with GbE LAN 10/100/1000 Mbps
USB	2x USB 3.2 Gen2 Type A
Display	1x HDMI® 1.4 3840 x 2160@30Hz

Expansion I/O

Audio	1x Pin Header support Line-in , Line-out , Mic-in w/ Realtek ALC897
Serial Port	2x Pin Header support RS-232
USB	2x USB 2.0 Pin Header
M.2	1x M.2 2242 Key M support SATA, PCIe x1
Security	TPM 2.0 (onboard IC)
GPIO	1x 8-bit Digital I/O

Mechanical/Environment

Dimension	100 x 72 mm (3.9" x 2.8")
Power Supply	DC Jack 12V
Operating Temperature	0°C~60°C (32°F~140 °F) (CPU SKU: N150) -40°C~ 85°C (-40°F~185 °F) (CPU SKU: x7433RE) -40°C~ 85°C (-40°F~185 °F) (CPU SKU: x7211RE)
Storage Temperature	-40°C~85°C (-40°F~185°F)
Relative Humidity	5% to 95%, non-condensing
Certification	CE/FCC UKCA
OS	Windows 11 IoT Enterprise 2024 LTSC, Ubuntu 24.04
Portwell Special Feature	Portwell Engineering Toolkits (PET)