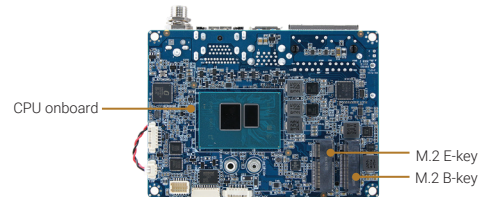
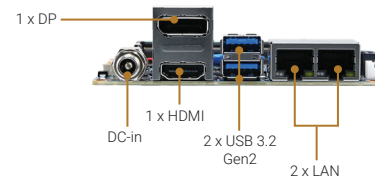
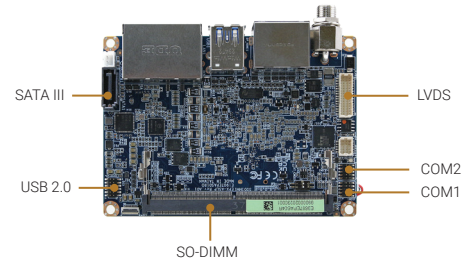


Features

- Intel® Processor N97/Atom® x7000RE CPU onboard
- Bottom Layer Soldered Processor
- Supports Triple Display: DP 1.4a, HDMI 2.0b, 1 x 1CH LVDS
- Dual Expansion Slots: M.2 B-Key, M.2 E-Key
- Dual Intel® Gigabit Ethernet, 2.5GbE
- 2 x USB 3.2 Gen2, 4 x USB 2.0
- 2 x COM ports, GPIO, 1 x SATA III
- DC in +12V
- Ultra Small Form Factor: 3.94" x 2.83" (100mm x 72mm)



Specifications

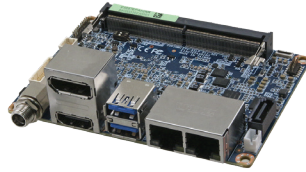
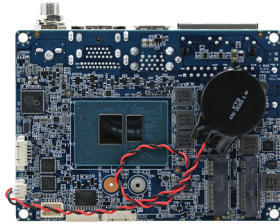
System	
CPU	Intel® Processor N97 Intel®Atom® x7000RE Processor
System Memory	1 x 262-pin DDR5 4800MHz SODIMM socket supports up to 16GB
Audio	HD Audio
Ethernet	2 x Intel® Ethernet Controller I226-V (2.5 GbE)
I/O Chip	EC IC: IT5782 Fintek_F81435N or Equivalent for COM port
BIOS	AMI BIOS, 256Mbit SPI Flash ROM
Expansion	1 x M.2 B-Key 2242/3042 with (1 x PCIe x1 or USB3.2 GEN1) or (1 x SATA III + USB3.2 GEN1), USB2.0, SIM Slot for SSD/LTE/IO Cards) * Default: SATA) * 1 x 10-pin FPC connector for Micro SIM card adapter * Optional Micro SIM card to SIM card adapter 1 x M.2 E-Key 2230 supports Wi-Fi module, USB 2.0 Signal, PCIe x1 Signal
Storage	1 x M.2 B-Key 1 x SATA III
Watchdog Timer	H/W Reset: 1Sec. ~ 65535Sec./Min. and 1 Sec. or 1Min./Step
H/W Status Monitor	CPU Temperature Monitoring Voltages Monitoring CPU Fan Speed Control
TPM	Supports fTPM
Supported OS	Windows 11, Linux
Display	
Graphics Engine	Intel® UHD Graphics
Display Interfaces	HDMI: 2.0b Max resolution 4096 x 2160@60Hz DP: 1.4a Max resolution 4096 x 2160@60Hz LVDS: 1366 x 768 Single Channel 18/24-bits
Multi-Display	Supports 3 Independent Displays

External I/O

Display	1 x DP, 1 x HDMI
LAN	2 x RJ45
USB	2 x USB 3.2 Gen2
DC-in	Lockable DC Jack

Internal I/O

Display	LVDS
USB	4 x USB 2.0
COM	1 x RS-232 1 x RS-232/422/485
GPIO	1 x 4-bit GPIO



Mechanical and Environment

Power Type	DC in +12V
Operating Temperature	Processor N97 Standard Temperature: 0°C ~ 60°C (-4°F ~ 140°F) with 0.5m/s Air Flow Fanless Extend Temperature: -40°C ~ 80°C (-40°F ~ 176°F) with 0.5m/s Air Flow for Wide Temp CPU SKU
Storage Temp	-40 ~ 75°C (-40 ~ 167°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Form Factor	Pico-ITX
Dimensions	3.94" x 2.83" (100mm x 72mm)
Certification	CE, FCC, RoHS Compliant
Weight	approx. 0.66lbs (0.3Kgs)

Ordering Info

EPX-ASLP-N97	Pico ITX SBC with Intel® Processor N97
EPX-ASLP-X7433RE	Pico ITX SBC with Intel® Atom® x7433RE Processor

* All product specifications and images are subject to change without notice. Last update: 01/03/2025



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