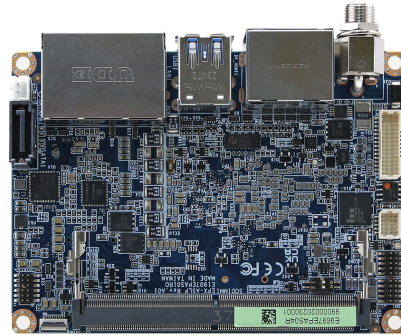


EPX-ASLP

Intel® Processor N-series & Atom® Processor X Series BGA Processor Pico ITX Motherboard



Product Features

- Intel® Processor N97 & Atom® x7000RE series processors
- Triple Display, DP 1.4a, HDMI 2.0b, 1 x 1CH LVDS
- Dual Expansion Slot, M.2 Key-B, M.2 Key-E
- Bottom Layer Soldered Processor
- Dual Intel® Gigabit Ethernet, 2.5GbE
- DC in +12V

Specification

System Information

Processor	Intel® N97 and Atom® x7000RE series processors
System Memory	1 x 262-pin DDR5 4800MHz SO-DIMM socket, supports up to 16GB Max.
I/O Chipset	EC IC: IT5782 or Equivalent Fintek_F81435N or Equivalent for COM port
Watchdog Timer	H/W Reset: 1Sec. ~ 65535Sec./Min. and 1 Sec. or 1Min./Step
BIOS	AMI BIOS, 256Mbit SPI Flash ROM
H/W Status Monitor	CPU temperature monitoring Voltages monitoring CPU fan speed control
TPM	Support fTPM
Board	PICO ITX

Expansion

Expansion	1 x M.2 Type B 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 is Default: SATA) *1 x 10Pin FPC connector for Micro SIM card adapter *Micro SIM card to SIM card adapter by optional 1 x M.2 Type E 2230 support WiFi module, USB 2.0 Signal, PCIe x1 Signal.
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Storage

Storage 1 x M.2 (Type B)
1 x SATA III

Display

Graphic Chipset Intel® UHD Graphics

Spec. & Resolution 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

Multiple Display Triple Display

LVDS 1CH 18/24bits LVDS 1366x768
Chrontel. CH7511B eDP to LVDS Converter

Ethernet

LAN Chipset 2 x Intel® i226V (i226IT for wide temp version) 2.5 Gigabit Ethernet

Ethernet Interface 2.5 Gigabit Ethernet

LAN Port 2 x RJ45

Software Support

OS Windows 11, Linux

Certification

Certification Information CE, FCC, RoHS Compliant

I/O

USB 2 x USB 3.2 Gen2 at IO
4 x USB 2.0 by pin header

COM Port 1 x RS-232
1 x RS-232/422/485

SATA 1 x SATA III

DIO 1 x 4-bit GPIO

Mechanical & Environmental

Operating Temp. Standard Temperature: 0°C ~ 60°C (-4°F ~ 140°F) with 0.5m/s Air Flow
Extend Temperature: -40°C ~ 80°C (-40°F ~ 176°F) with 0.5m/s Air Flow for Wide Temp CPU SKU

Storage Temp. -40°C ~ 75°C (-40°F ~ 167°F)

Operating Humidity 40°C @ 95% Relative Humidity, Non-condensing

Weight	0.66lbs (0.3Kgs)
Power Requirement	DC in +12V
Power Mode	AT/ATX (Default Setting: ATX)
Dimension (L x W)	3.94" x 2.83" (100mm x 72mm)

Ordering Information

Ordering Information	Intel® Processor N-series & Atom® Processor X Series BGA Processor 2.5 Pico ITX SBC Motherboard EPX-ASLP-N97-A1R EPX-ASLP/N97/2COM/6USB/2LAN/A1 EPX-ASLP-7433-A1R EPX-ASLP/x7433RE/2COM/6USB/2LAN/A1
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Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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