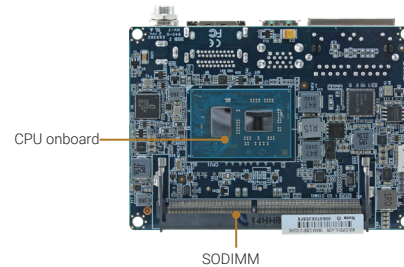
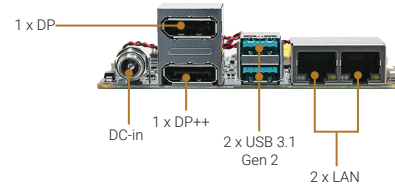
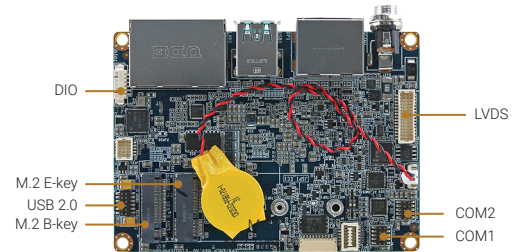


Features

- Intel® Atom® x6000E or Celeron® series® Processor, Elkhart Lake Platform
- 1 x SODIMM socket supports DDR4 2666MHz up to 32GB Memory
- 1 x DP, 1 x DP++, LVDS
- Supports 3 Independent Display
- Intel® I226-LM/I226-IT 2.5GbE LAN
- 1 x M.2 B-Key 2242/2260, 1 x M.2 E-Key 2230, M.2 B-Key 2242/2260
- 2 x USB 3.1 Gen 2, 4 x USB 2.0
- 2 x COM Ports
- 4-pin GPIO
- +12V DC-in
- 3.94" x 2.83" Ultra Small, Pico-ITX Form Factor



Specifications

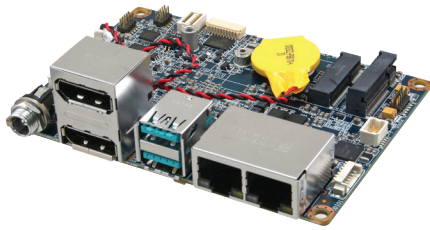
System	
CPU	Intel® Atom® x6000E or Celeron® series® Processor, Elkhart Lake Platform
System Memory	1 x 260-pin SODIMM socket supports DDR4 2666MHz up to 32GB Max
Audio	HD Audio
Ethernet	2 x Intel® Ethernet Controller I226-LM 2.5Gb For Wide Temp SKU: I226-IT 2.5GbE
I/O Chip	EC ITE IT5571
BIOS	AMI 256Mbit SPI BIOS
Expansion	1 x M.2 B-Key 2242/2260 with (1 x PCIe x2 via OEM BIOS request) or (1 x PCIe x1 + USB3.1 GEN1) or (1 x SATA III + USB3.1 GEN1), USB2.0 Signal, support SSD. 1 x M.2 E-Key 2230 supports WiFi module, USB 2.0 Signal
Storage	1 x M.2 B-Key 2242/2260 PCIe or SATA SSD
Watchdog Timer	H/W Reset, 1sec. – 65535sec./min.1sec. or 1min. step
H/W Status Monitor	Monitoring System Temperature and Voltage with Auto Throttling Control
TPM	TPM 2.0 (Optional)
Supported OS	Win 10 64-bit, Linux
Display	
Graphics Engine	Intel® UHD Graphics for 10th Gen Intel® Processors
Display Interfaces	1 x double deck DP (Upper DP, Lower DP++): 4096 x 2160@60 Hz LVDS: 1366x768 Single channel 18/24-bits LVDS (Chrontel CH7511B-BF (CH7511B-BFI for wide temp version) eDP to LVDS)
Multi-Display	Supports 3 Independent Displays

External I/O

Display	1 x DP, 1 x DP++
LAN	2 x RJ45
USB	2 x USB 3.1 Gen 2
DC-in	Lockable DC Jack

Internal I/O

Display	LVDS
USB	4 x USB 2.0
COM	2 x RS-232
GPIO	1 x 4-bit GPIO



Mechanical and Environment

Power Type	DC in +12V
ACPI	Single power ATX Support S0, S3, S4, S5 ACPI 5.1 Compliant
Operating Temperature	0~60°C (32~140°F) Elkhart Lake J Series CPU -20~60°C (-4~140°F) Elkhart Lake Atom Series CPU with HDD/SSD, ambient with 0.5 m/s Air flow
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 Class B
Weight	approx. 0.66lbs (0.3Kgs)

Ordering Info

EPX-EHLP Please contact BCMSales@bcmcom.com for more details.

* All product specifications and images are subject to change without notice. Last update: 10/30/2023



BCM Advanced Research

11 Chrysler, Irvine, CA 92618 USA
An industry leader in industrial motherboards
& embedded computing

www.bcmcom.com

BCMSales@bcmcom.com
(949) 470-1888