

HYPER-EHL

Pico-ITX SBC supports Intel® Celeron J6412/N6210 on-board SoC, with 4GB LPDDR4x memory on board default, with HDMI, iDPM, M.2 M key, USB 3.2, iSATA 6GB/s, COM, PCIe x4 for riser card and RoHS



Features

- » Support Intel® Atom™ x6000 series / Pentium® / Celeron® processor (Elkhart Lake platform)
- » Support Intel® I225V 2.5GbE Ethernet controller
- » Support dual independent display via HDMI and iDPM
- » Support one PCIe x4 and one M.2 M Key expansions
- » Support two USB 3.2 Gen 2, two USB 2.0, with up to 10Gb/s transfer speed

Specifications

Form Factor	
Form Factor	Pico-ITX
System	
CPU	» Onboard Intel® Atom™ x6000 series Celeron® processor (Elkhart Lake platform) » Intel® Celeron® J6412 on-board SoC (up to 2.6GHz, quad-core, 1.5M Cache, TDP=10W) » Intel® Celeron® N6210 on-board SoC (up to 2.6GHz, dual-core, 1.5M Cache, TDP=6.5W)
Memory	LPDDR4x-3200Gbps 4GB, up to 8GB
Memory Max.	8GB
Physical Characteristics	
Dimensions (LxWxH) (mm)	100mm x 72mm
Net Weight	600g
Storage	
Storage	1 x M.2(NGFF) : M key (2242, PCIe Gen3 X 2) 1 x SATA : iSATA 6Gb/s
I/O Interface	
Display Output	1 x HDMI : up to 4096x2160 @ 30Hz 1 x iDPM : support iEi eDP/ LVDS/ VGA module
Ethernet	1 x LAN - LAN1: Intel® I225V 2.5GbE controller
I/O Interface	2 x External USB 3.2 Gen2x1 : 10Gb/s (Type A) 1 x Internal RS-232/422/485 : 1x9 pin, P=1.25 2 x Internal USB 2.0 : 2x4 pin, P=2.0
Expansion	1 x M.2(NGFF) : M key (2242, PCIe Gen3 X 2) 1 x PCIe x4 (PCIe Gen3 x4)
Power	
Power Consumption	12V@ 2.07A (Intel® Celeron® J6412 CPU with 4 GB 3200 MHz LPDDR4x memory, max. loading, EuP mode enabled)
Power Supply	ATX/AT power supply Support AT/ATX mode ErP/EuP Compliant
Environment	
Operating Temperature	0°C~60°C

Storage Temperature	-30°C~70°C
Humidity	5% ~95%, non-condensing

Ordering Information

HYPHER-EHL-N6210B-R10	PICO-ITX SBC supports Intel® two-core Celeron® N6210 1.2GHz on-board SoC, with 4GB LPDDR4x memory on board default,with HDMI,iDPM,M.2 M key,USB 3.2,iSATA 6GB/s,COM,PCIe x4 for riser card and RoHS
HYPHER-EHL-J6412B-R10	PICO-ITX SBC supports Intel® quad-core Celeron® J6412 2.0GHz on-board SoC, with 4GB LPDDR4x memory on board default, with HDMI,iDPM,M.2 M key,USB 3.2,iSATA 6GB/s,COM,PCIe x4 for riser card and RoHS

Packing List

1 x HYPHER-EHL single board computer	1 x SATA cable
1 x QIG	