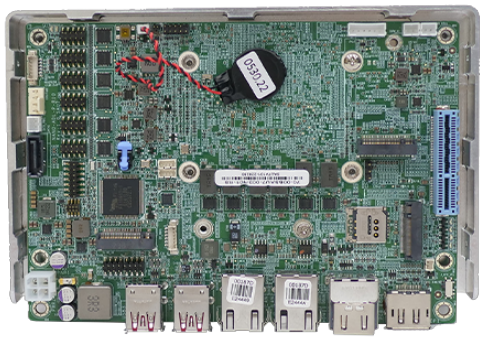
NANO-ADL-P

EPIC SBC supports Intel® Alder Lake-P/Raptor Lake-P Core™ i7/i5/i3 and Celeron® processor with 8GB LPDDR4x memory on board default, with Dual HDMI™, DP, IDPM, M.2 A key, M.2 B key, USB 3.2, SATA 6Gb/s, COM, iAUDIO, PCIe x4 for riser card and RoHS



Features

» Support 12th/13th Intel® mobile Alder Lake-P/Raptor Lake-P on board SoC

» Support on-board LPDDR4x 3200 MHz 8GB memory, up to 32GB

» Support quadruple independent display via two HDMI™, one DP and one iDPM

» Support PCIE X4,M.2 B key and M.2 A key expansion

» Suport two 2.5GbE LAN with I225V/I226V

Specifications

Form Factor	
Form Factor	EPIC SBC
System	
CPU	12th/13th Gen. Intel® mobile Alder Lake-P/Raptor Lake-P on board SoC
Memory	On-board LPDDR4x 3200 MHz 8GB up to 32GB
Memory Max.	32GB
Physical Characteristics	
Dimensions (LxWxH) (mm)	115 mm x 165 mm
Net Weight	400g
Storage	
Storage	1 x SATA (6Gb/s)
I/O Interface	
Display Output	2 x HDMI™ : up to 4096 x 2160 @ 30Hz
	1 x Display Port : up to 4096 x 2160 @ 60Hz
	1 x iDPM : support iEi eDP/ LVDS/ VGA module
Ethernet	2 x LAN -
	LAN1: Intel® I225V/I226V 2.5GbE controller
	LAN2: Intel® I225V/I226V 2.5GbE controller
Audio	1 x HD Audio : 1 x iAUDIO, support IEI AC-KIT-888S Audio Module (2x5 pin)
I/O Interface	4 x Internal RS-232 (2x5 pin, P=2.0)
	2 x Internal RS-232/422/485 (2x5 pin, P=2.0)
	4 x Internal USB 2.0 (2x4 pin, P=2.0)
	4 x External USB 3.2 Gen2x1 : 10Gb/s(Type A)
Expansion	1 x PCIe x4 (PCIe Gen3 x4)
	2 x M.2(NGFF) - 1 x M.2 A Key for Wi-Fi & BT 2230 (PCIe Gen3 x 1 & USB 2.0) 1 x M.2 B Key W/ SIM Header (PCIe x2) 3042/2280

Power	
Power Consumption	12V@4.62A
	(12 th Gen Intel® Core™ i7-1265UE CPU with 8 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	-10°C ~ 60°C
Storage Temperature	-30°C~70°C
Humidity	5% ~95%, non-condensing

Ordering Information

NANO-ADL-P-i7EC-R11	EPIC SBC supports Intel® Alder Lake-P Core™ i7-1265UE processor with 8GB LPDDR4x memory on board default, with Dual HDMI,DP,IDPM,M.2 A key, M.2 B key, USB 3.2, SATA 6Gb/s, COM, IAUDIO,PCIe x4 for riser card and RoHS
NANO-ADL-P-i5EC-R11	EPIC SBC supports Intel® Alder Lake-P Core™ i5-1245UE processor with 8GB LPDDR4x memory on board default, with Dual HDMI,DP,IDPM,M.2 A key, M.2 B key, USB 3.2, SATA 6Gb/s, COM, IAUDIO,PCIe x4 for riser card and RoHS
NANO-ADL-P-i3EC-R11	EPIC SBC supports Intel® Alder Lake-P Core™ i3-1215UE processor with 8GB LPDDR4x memory on board default, with Dual HDMI,DP,IDPM,M.2 A key, M.2 B key, USB 3.2, SATA 6Gb/s, COM, IAUDIO,PCIe x4 for riser card and RoHS
NANO-ADL-P-CEC-R11	EPIC SBC supports Intel® Alder Lake-P Celeron® 7305E processor with 8GB LPDDR4x memory on board default, with Dual HDMI,DP,IDPM,M.2 A key, M.2 B key, USB 3.2, SATA 6Gb/s, COM, IAUDIO,PCIe x4 for riser card and RoHS

Packing List

1 x NANO-ADL-P single board computer	1 x SATA cable
1 x QIG	