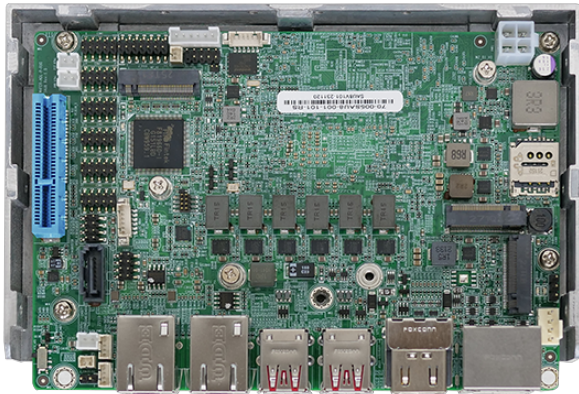임베디드 컴퓨터 > 싱글 보드 컴퓨터 > 임베디드 보드

WAFER-ADL-P

3.5 SBC supports Intel® Alder Lake-P/Raptor Lake-P Core™ i7/i5/i3 and Celeron® processor with 8GB LPDDR4x memory on board default, with DP, HDMI™, dual 2.5 GbE, USB 3.2 gen 2, M.2, SATA 6Gb/s, COM, 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™ and two DP

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

» Suport two 2.5GbE LAN with I225V/I226V

Specifications

Form Factor	
Form Factor	3.5" 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)	146mm x 102mm
Net Weight	350g
Storage	
Storage	1 x SATA : 6Gb/s
	1 x M.2(NGFF) : M.2 M Key 2242/2280 (PCIe Gen3 x4)
I/O Interface	
Display Output	2 x HDMI™ : up to 4096x2160 @ 30Hz
	2 x Display Port : up to 4096 x 2160 @60Hz
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 (x4 & x2+x2)

	1 x On-board SIM card socket (hinge type) for M.2 B key
Power	3 x M.2(NGFF) -
Power Consumption	1 x M.2 A Key 2230 for WIFI & BT (PCIe Gen3 x 1 & USB 2.0) 12V@2.83A (12th Gen Intel® Core™ i7-12650E CPU with 8 GB 3200 MHz LPDDR4x memory, max. loading, EuP mode enabled) 1 x M.2 M Key 2242/2280 (PCIe Gen3 x4) 1 x M.2 B Key 3042 (PCIe x2 & USB 2.0)
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

WAFER-ADL-P-i7C-R10	3.5 SBC supports Intel® Alder Lake-P Core™ i7-1255U Proccessor，with 8GB LPDDR4x memory on board default, with DP ,HDMI™ ,dual 2.5 GbE , USB 3.2 gen 2 , M.2, SATA 6Gb/s, COM,PCIe x4 for riser card and RoHS
WAFER-ADL-P-i5C-R10	3.5 SBC supports Intel® Alder Lake-P Core™ i5-1235U Proccessor，with 8GB LPDDR4x memory on board default, with DP ,HDMI™ ,dual 2.5 GbE , USB 3.2 gen 2 , M.2, SATA 6Gb/s, COM,PCIe x4 for riser card and RoHS
WAFER-ADL-P-i3C-R10	3.5 SBC supports Intel® Alder Lake-P Core™ i3-1215U Proccessor，with 8GB LPDDR4x memory on board default, with DP ,HDMI™ ,dual 2.5 GbE , USB 3.2 gen 2 , M.2, SATA 6Gb/s, COM,PCIe x4 for riser card and RoHS
WAFER-ADL-P-CC-R10	3.5 SBC supports Intel® Alder Lake-P Celeron® 7305 SoC Processor，with 8GB LPDDR4x memory on board default, with DP ,HDMI™ ,dual 2.5 GbE , USB 3.2 gen 2 , M.2, SATA 6Gb/s, COM,PCIe x4 for riser card and RoHS

Packing List

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