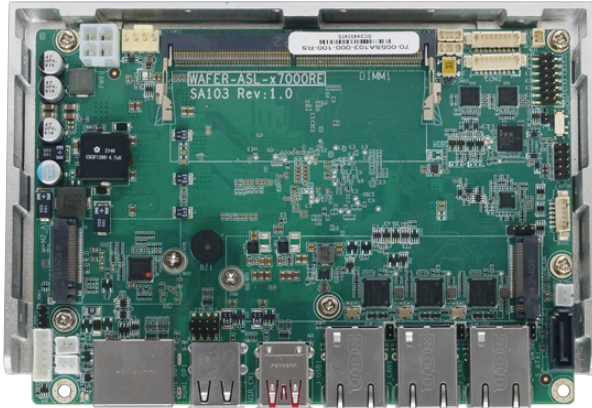


# WAFER-ASL

3.5" SBC supports Intel® Atom™ x7000 RE series on-board SoC, double display with DP, HDMI, triple 2.5 GbE, USB 3.2 gen 2, M.2, SATA 6Gb/s, COM and RoHS, -40°C~85°C



## Features

- » 3.5" SBC supports Intel® Atom™ x7000 RE series on-board SoC
- » One DDR5 4800 SO-DIMM, Up to 16GB
- » Support 3 x 2.5GbE LAN with Intel® I226-IT
- » Support M.2 M key and M.2 A key expansion
- » Supports +12V~28V DC voltage input and -40°C~85°C wide temperature operating environment

## Specifications

Form Factor	
Form Factor	3.5" SBC
System	
CPU	Intel® Amston Lake Atom™ x7000 series processor
	Intel® Atom™ x7211RE SoC Processor
	Intel® Atom™ x7213RE SoC Processor
	Intel® Atom™ x7433RE SoC Processor
	Intel® Atom™ x7835RE SoC Processor
Memory	1 x 262-pin DDR5 4800 SO-DIMM, Up to 16GB
Memory Max.	16GB
Physical Characteristics	
Dimensions (LxWxH) (mm)	146mm x 102mm
Net Weight	350g
Storage	
Storage	1 x M.2(NGFF) : M.2 M Key 2242/2280 (PCIe Gen3 x2)
	1 x SATA : 6Gb/s
I/O Interface	
Display Output	1 x Display Port : up to 4096 x 2160 @ 60Hz
	1 x HDMI™ : up to 4096 x 2160 @ 30Hz
Ethernet	3 x LAN -
	LAN1: Intel® i226-IT 2.5 GbE LAN
	LAN2: Intel® i226-IT 2.5 GbE LAN
	LAN3: Intel® i226-IT 2.5 GbE LAN
Audio	1 x HD Audio : IAUDIO, support IEI AC-KIT-888S Audio Module (2x5 pin)
I/O Interface	1 x DIO : 12-bit digital I/O (2x7 pin)
	2 x External USB 2.0 (Type A)
	2 x External USB 3.2 Gen2x1 : 10Gb/s(Type A)
	1 x I <sup>2</sup> C : 1x4 pin, P=1.25
	2 x Internal RS-232/422/485 : 1x9 pin, P=1.25
	2 x Internal USB 2.0 (2x4 pin, P=2.0)
Expansion	2 x M.2(NGFF) -
	1 x M.2 A Key 2230 (PCIe Gen3 x1 & USB 2.0)
	1 x M.2 M Key 2242/2280 (PCIe gen3 x2)

Power	
Input	+12V~28V DC input power (AT/ATX mode)
Power Consumption	12V@4.163A; 19V@2.618A; 24V@2.057A; 28V@1.771A
	(Intel® Atom™ x7835RE with 16 GB 4800 MHz LPDDR5 memory, max. loading, EuP mode disabled)
Power Supply	ATX/AT power supply
	Support AT/ATX mode
	ErP/EuP Compliant
Environment	
Operating Temperature	-40°C ~ 85°C
Storage Temperature	-40°C ~ 85°C
Humidity	5% ~95%, non-condensing
Certifications	
Safety & EMC	CE/FCC Compliant
Watchdog Timer	
Watchdog Timer	Software Programmable support 1~255 sec. System reset

## Ordering Information

WAFER-ASL-R4-R10	3.5 SBC supports Intel® Atom™ x7835RE on-board SoC, triple display with DP ,HDMI and iDPM slot, triple 2.5 GbE , USB 3.2 gen 2 , M.2, SATA 6Gb/s, COM and RoHS, -40°C ~85°C
WAFER-ASL-R3-R10	3.5 SBC supports Intel® Atom™ x7433RE on-board SoC, triple display with DP ,HDMI and iDPM slot, triple 2.5 GbE , USB 3.2 gen 2 , M.2, SATA 6Gb/s, COM and RoHS, -40°C ~85°C
WAFER-ASL-R2-R10	3.5 SBC supports Intel® Atom™ x7213RE on-board SoC, triple display with DP ,HDMI and iDPM slot, triple 2.5 GbE , USB 3.2 gen 2 , M.2, SATA 6Gb/s, COM and RoHS, -40°C ~85°C
WAFER-ASL-R1-R10	3.5 SBC supports Intel® Atom™ x7211RE on-board SoC, triple display with DP ,HDMI and iDPM slot, triple 2.5 GbE , USB 3.2 gen 2 , M.2, SATA 6Gb/s, COM and RoHS, -40°C ~85°C

## Packing List

1 x WAFER-ASL SBC with heat spreader	1 x SATA with power cable kit
1 x QIG	