

# WAFER-EHL-x6000

3.5" SBC supports Intel® Elkhart Lake Atom™ x6000 series on-board SoC, triple display with DP, HDMI and iDPM slot, dual 2.5 GbE, USB 3.2 Gen 2, M.2, SATA 6Gb/s, COM, iAUDIO, PSE Module, +12V~28V DC input, RoHS, -20°C ~85°C



## Features

- » 3.5" SBC supports Intel® Elkhart Lake Atom™ x6000 series on-board SoC
- » triple display with DP, HDMI™ and iDPM slot
- » High speed I/O interface for USB 3.2 gen 2, SATA 6Gb/s
- » Dual 2.5 GbE LAN with Intel® I225-IT
- » Support one M.2 A key and one M.2 B key slot

## Specifications

System	
CPU	» On board Intel® Elkhart Lake Atom™ x6000 series / Pentium® / Celeron® processor Intel® Atom™ x6211E on-board SoC (up to 3.0 GHz, dual-core, 1.5M Cache, TDP=6W) Intel® Atom™ x6413E on-board SoC (up to 3.0 GHz, quad-core, 1.5M Cache, TDP=9W) Intel® Atom™ x6425E on-board SoC (up to 3.0 GHz, quad-core, 1.5M Cache, TDP=12W)
Memory	On-board LPDDR4x 8GB, up to 16 GB
Memory Max.	up to 16 GB
Cooling method / System Fan	1 x System fan connector (1x4 pin)
Physical Characteristics	
Dimensions (LxWxH) (mm)	146mm x 102mm
Net Weight	GW:850g / NW:350g
Storage	
Storage	1 x SATA : 6Gb/s with 5V SATA power connector 1 x M.2(NGFF) : B Key 3042 with PCIe Gen3 x2,support NVME storage
I/O Interface	
Display Output	1 x HDMI™ : up to 4096 x 2160@30Hz 1 x Display Port : up to 4096 x 2160@60Hz 1 x iDP : IEI iDPM 3040 slot (only for IEI eDP/LVDS/VGA Module)
Ethernet	2 x LAN - LAN1: Intel® I225-V/I226-V controller LAN2: Intel® I225-V/I226-V controller
Audio	1 x HD Audio : iAUDIO, support IEI AC-KIT-888S Audio Module (2 x 5 pin)
I/O Interface	2 x Internal RS-232/422/485 : 1x9 pin, P=1.25 4 x Internal USB 2.0 : 2*4 pin, P=2.0 2 x External USB 3.2 Gen2x1 : 10 Gb/s
Expansion	2 x M.2(NGFF) - 1 x M.2 A Key 2230 (PCIe Gen3 x2 & USB 2.0) 1 x M.2 B Key 3042 (PCIe Gen3 x2 & USB 2.0)
Power	
Power Consumption	TBD
Environment	
Operating Temperature	-20°C ~ 85°C

Storage Temperature	-40°C ~ 85°C
Humidity	5 ~ 95% non-condensing

## Ordering Information

WAFER-EHL-x6425EWC-R10	3.5 SBC supports Intel® quad-core Atom® x6425E 2.0GHz on-board SoC with DP ,HDMI™ and iDPM slot ,2.5 GbE , USB 3.2 gen 2,M.2,SATA 6Gb/s,COM and RoHS, -20°C ~85°C
WAFER-EHL-x6413EWC-R10	3.5 SBC supports Intel® quad-core Atom® x6413E 1.5GHz on-board SoC with DP ,HDMI™ and iDPM slot ,2.5 GbE , USB 3.2 gen 2,M.2,SATA 6Gb/s,COM and RoHS, -20°C ~85°C
WAFER-EHL-x6211EWC-R10	3.5 SBC supports Intel® dual-core Atom® x6211E 1.3GHz on-board SoCwith DP ,HDMI™ and iDPM slot ,2.5 GbE , USB 3.2 gen 2,M.2,SATA 6Gb/s,COM and RoHS, -20°C ~85°C

## Packing List

1 x WAFER-EHL-x6000 single board computer	1 x Power cable
1 x SATA with power cable kit	1 x QIG