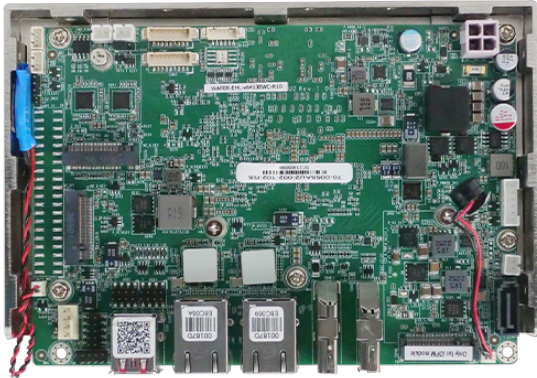


# WAFER-EHL-x6000

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<br>Intel® Atom™ x6211E on-board SoC (up to 3.0 GHz, dual-core, 1.5M Cache, TDP=6W)<br>Intel® Atom™ x6413E on-board SoC (up to 3.0 GHz, quad-core, 1.5M Cache, TDP=9W)<br>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<br>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<br>1 x Display Port : up to 4096 x 2160@60Hz<br>1 x iDP : IEI iDPM 3040 slot (only for IEI eDP/LVDS/VGA Module)  |
| Ethernet                    | 2 x LAN -<br>LAN1: Intel® I225-V/I226-V controller<br>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<br>4 x Internal USB 2.0 : 2*4 pin, P=2.0<br>2 x External USB 3.2 Gen2x1 : 10 Gb/s   |
| Expansion                   | 2 x M.2(NGFF) -<br>1 x M.2 A Key 2230 (PCIe Gen3 x2 & USB 2.0)<br>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         |