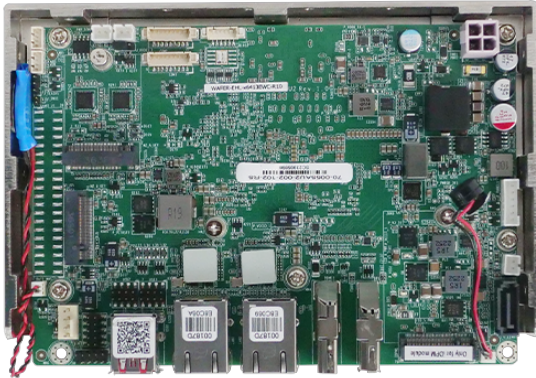


WAFER-EHL-x6000

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 |
| Memory Max. | up to 8 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® I225IT/I226-IT controller LAN2: Intel® I225IT/I226-IT 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 | 12V@3.34A, 19V@2.16A, 24V@1.79A, 28V@1.52A (Intel® Atom x6211E 1.3GHz with 8GB 3200MHz DDR4 memory and EUP enabled) |
| 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 |