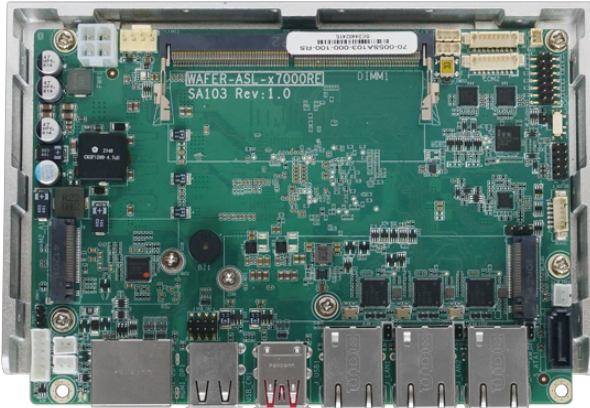


WAFER-ASL

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 ² 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 | |