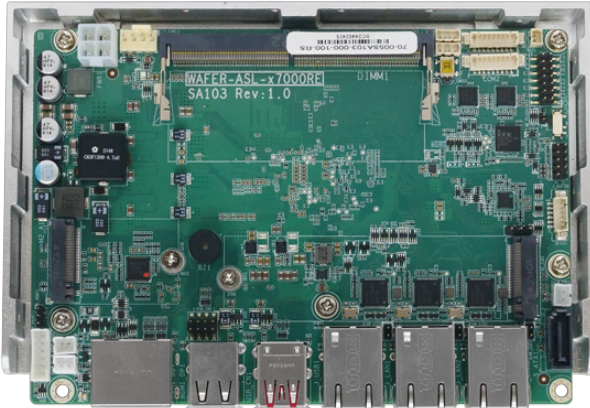


各種産業用パソコン(ボード) &gt; シングルボードコンピュータ &gt; 組込みCPUボード

# 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™ 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 SATA : 6Gb/s                                                      |
|                          | 1 x M.2(NGFF) : M.2 M Key 2280 (PCIe Gen3 x2)                         |
| I/O Interface            |                                                                       |
| Display Output           | 1 x HDMI™ : up to 4096 x 2160 @ 60Hz                                  |
|                          | 1 x Display Port : up to 4096 x 2160 @ 60Hz                           |
| 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            | 2 x Internal RS-232/422/485 : 1x9 pin, P=1.25                         |
|                          | 2 x External USB 2.0 (Type A)                                         |
|                          | 2 x Internal USB 2.0 (2x4 pin, P=2.0)                                 |
|                          | 1 x DIO : 12-bit digital I/O (2x7 pin)                                |
|                          | 2 x External USB 3.2 Gen2x1 : 10Gb/s(Type A)                          |
|                          | 1 x I²C : 1x4 pin, P=1.25                                             |
| 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

|                   |                                                                                                                                                                             |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WAFFER-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 |
| WAFFER-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 |

## Packing List

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