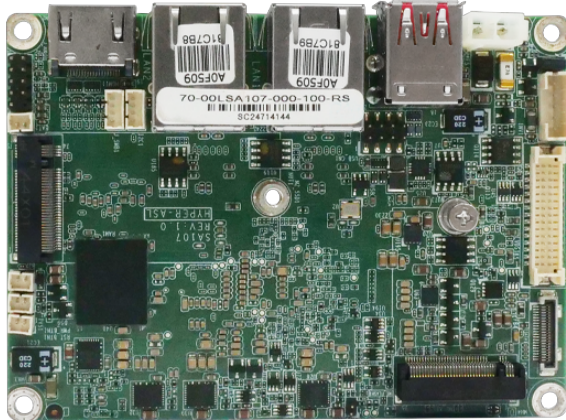


# HYPER-ASL

PICO-ITX SBC with Intel® Alder Lake-N/Amston Lake on-board SoC, with 8GB LPDDR5 memory on board default, with HDMI, LVDS, M.2 M key, M.2 A key, USB 3.2, iSATA 6GB/s, COM, RoHS



## Features

- » PICO-ITX SBC with Intel® Alder Lake-N/Amston Lake on-board SoC
- » On-board LPDDR5 8G pre-installed (system max. 16GB)
- » Double displays with 1 x HDMI 2.0 and 1 x LVDS
- » Support 2 x 2.5GbE with i226-V
- » Support M.2 A Key and M.2 M key

## Specifications

|                          |                                                                                             |
|--------------------------|---------------------------------------------------------------------------------------------|
| Form Factor              |                                                                                             |
| Form Factor              | PICO-ITX                                                                                    |
| System                   |                                                                                             |
| CPU                      | Support Intel® Alder Lake-N/Amston Lake series processor.                                   |
|                          | Intel® Alder Lake-N N97 SoC on-board SoC                                                    |
|                          | Intel® Amston Lake x7433RE on-board SoC                                                     |
|                          | Intel® Amston Lake x7835RE on-board SoC                                                     |
| Memory                   | Dual channel on-board LPDDR5 8G pre-installed (system max.16GB)                             |
| Memory Max.              | 16GB                                                                                        |
| Physical Characteristics |                                                                                             |
| Dimensions (LxWxH) (mm)  | 100mm x 72mm                                                                                |
| Net Weight               | 250g                                                                                        |
| Storage                  |                                                                                             |
| Storage                  | 1 x M.2(NGFF) : 1 x M.2 M Key 2242 (PCIe Gen3 x2)                                           |
|                          | 1 x SATA : iSATA 6Gb/s                                                                      |
| I/O Interface            |                                                                                             |
| Display Output           | 1 x HDMI™ : up to 4K @ 30Hz                                                                 |
|                          | 1 x LVDS : 24-bit dual-channel, up to 1920 x 1200                                           |
| Ethernet                 | 2 x LAN -                                                                                   |
|                          | LAN1: Intel® I226-V 2.5GbE controller                                                       |
|                          | LAN2: Intel® I226-V 2.5GbE controller                                                       |
| Audio                    | 1 x HD Audio : 1 x IAUDIO, support IEI AC-KIT-888S Audio Module (2x5 pin)                   |
| I/O Interface            | 2 x External USB 3.2 Gen2x1 : 10Gb/s (Type A)                                               |
|                          | 1 x Internal RS-232/422/485 : 1*9 pin, P=1.25, 90°                                          |
|                          | 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 & USB2.0)                                                  |
|                          | 1 x M.2 M Key 2242 (PCIe Gen3 x2)                                                           |
| Power                    |                                                                                             |
| Power Consumption        | 12V@2.724A                                                                                  |
|                          | (Intel® Alder Lake-N N97 with 8 GB 4800 MHz LPDDR5 memory, max. loading, EuP mode disabled) |
| Power Supply             | 12V DC input, Support AT/ATX mode                                                           |

| Environment           |                         |
|-----------------------|-------------------------|
| Operating Temperature | 0°C ~ 60°C              |
| Storage Temperature   | -30°C ~ 70°C            |
| Humidity              | 5% ~95%, non-condensing |

## Ordering Information

|                   |                                                                                                                                                                                |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HYPER-ASL-R4C-R10 | PICO-ITX SBC supports Intel Atom® x7835RE on-board SoC, with 8GB LPDDR5 memory on board default, with HDMI, LVDS, Dual LAN, M.2 M key, M.2 A key, USB 3.2, iSATA, COM, RoHS    |
| HYPER-ASL-R3C-R10 | PICO-ITX SBC supports Intel Atom® x7433RE on-board SoC, with 8GB LPDDR5 memory on board default, with HDMI, LVDS, Dual LAN, M.2 M key, M.2 A key, USB 3.2, iSATA, COM, RoHS    |
| HYPER-ASL-N2C-R10 | PICO-ITX SBC supports Intel® Alder Lake-N N97 on-board SoC, with 8GB LPDDR5 memory on board default, with HDMI, LVDS, Dual LAN, M.2 M key, M.2 A key, USB 3.2, iSATA,COM, RoHS |

## Packing List

|                                      |                 |
|--------------------------------------|-----------------|
| 1 x HYPER-ASL SBC with heat spreader | 1 x iSATA cable |
| 1 x QIG                              |                 |