



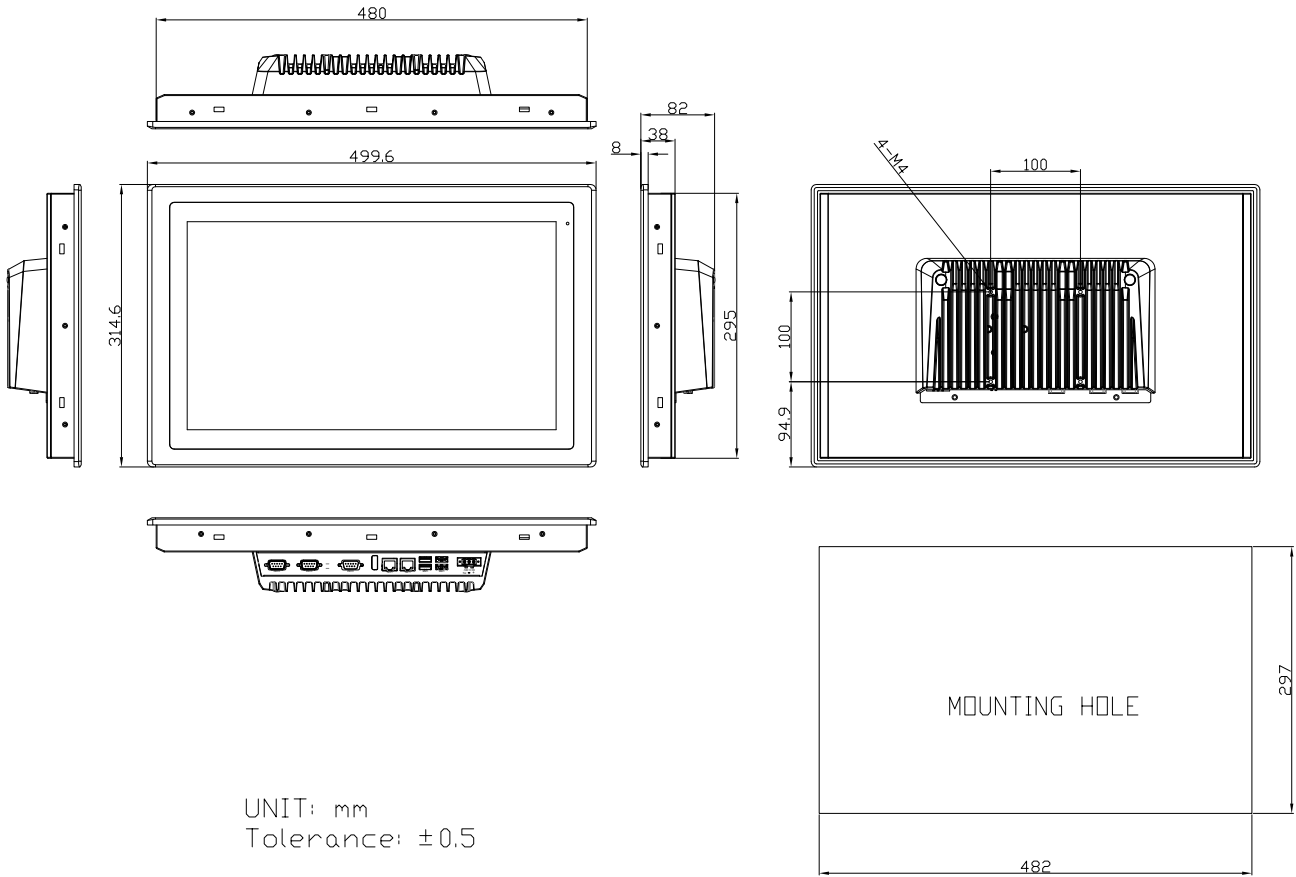
Features

- 18.5" Industrial Compact Size Panel PC
- 12th Gen. Intel i5-1235U, i3-1215U (Alder Lake-U)
- Support 2 x DDR5 5600MHz SO-DIMM, Up to 64GB
- IP66 Compliant Aluminum Front Bezel
- Support Resistive touch screen and Projected Capacitive Multi-touch screen
- Support Auto-Dimming (for option)
- Support High Brightness LCD Version (for option)
- Fanless Design
- DC 9~36V Wide Range Power Input

Specifications

| System                         |                                                                                                                                     |                        |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| CPU                            | Core i5-1235U (2P/8E/12T, P-core:4.4GHz, E-core:3.3GHz, 15W TDP)<br>Core i3-1215U (2P/4E/8T, P-core:4.4GHz, E-core:3.3GHz, 15W TDP) |                        |
| System Chipset                 | SoC                                                                                                                                 |                        |
| Memory                         | 2 x DDR5 5600MHz SO-DIMM, up to 64GB                                                                                                |                        |
| BIOS                           | AMI UEFI                                                                                                                            |                        |
| I/O Port                       |                                                                                                                                     |                        |
| USB                            | 2 x USB 3.2 Gen1 Type A, 2 x USB 2.0 Type A                                                                                         |                        |
| Serial / Parallel              | 1 x DB9 Type RS-485/422/232(COM1, BIOS selection, RS-232 is default)                                                                |                        |
|                                | 1 x DB9 Type RS-485/422/232(COM2, BIOS selection, RS-232 is default)                                                                |                        |
|                                | 1 x DB9 Type RS-232(COM3)                                                                                                           |                        |
| LAN                            | 1 x RJ45 Type Intel I219LM GbE LAN                                                                                                  |                        |
|                                | 1 x RJ45 Type Intel I210AT, GbE LAN                                                                                                 |                        |
| Power                          | 1 x Terminal Block Type, 9-36VDC Power input                                                                                        |                        |
| Storage Space                  |                                                                                                                                     |                        |
| HDD/SSD                        | 1 x M.2 Key-M Slot for NVME (PCIe Gen3, 2280)                                                                                       |                        |
| Expansion                      |                                                                                                                                     |                        |
| Expansion slot                 | 1 x M.2 Key-E Slot (Support WIFI+BT, 2230)(USB2.0, PCIe x1)                                                                         |                        |
|                                | 1 x M.2 Key-B Slot w/1 x Nano-SIM slot(Support 4G/5G, 3042/3052) (USB3.2 Gen.1 x1, PCIe x1(Default)/SATA, USB2.0)                   |                        |
| Storage Space                  |                                                                                                                                     |                        |
| TPM                            | Onboard TPM2.0 SPI I/F TPM Infineon_SLM8670 IC                                                                                      |                        |
| Watchdog Timer                 | 1~255 sec (system)                                                                                                                  |                        |
| Wake on LAN                    | Support WOL and PXE                                                                                                                 |                        |
| Dispalay                       | Standard                                                                                                                            | High Brightness by SKU |
| Display Type                   | 18.5" TFT-LCD                                                                                                                       | 18.5" TFT-LCD          |
| Max. Resolution                | 1920 x 1080                                                                                                                         | 1920 x 1080            |
| Max. Color                     | 16.7M                                                                                                                               | 16.7M                  |
| Luminance (cd/m <sup>2</sup> ) | 350                                                                                                                                 | 1000                   |
| View Angle                     | 178(H)/178(V)                                                                                                                       | 178(H)/178(V)          |
| Contrast                       | 1,000:1                                                                                                                             | 1,000:1                |
| Backlight Lifetime             | 50,000 hrs                                                                                                                          | 50,000 hrs             |
| Touch Screen                   |                                                                                                                                     |                        |
| Type                           | Resistive Touch (for DR Model)<br>Projected Capacitive Touch (for DP Model)                                                         |                        |
| Interface                      | USB                                                                                                                                 |                        |
| Light Transmission(%)          | Resistive Touch: 80% / Projected Capacitive Touch: 90%                                                                              |                        |
| Power                          |                                                                                                                                     |                        |
| Power Input                    | DC 9~36V                                                                                                                            |                        |
| Power Consumption              | ARCHMI-S-918DP/R: Around 72W(Max.)                                                                                                  |                        |

Dimensions



| Mechanical                          |                                                                                                                                                                           |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Construction                        | Aluminum Die-casting Chassis                                                                                                                                              |
| Mounting                            | Panel Mount, VESA 100 x 100                                                                                                                                               |
| IP Rating                           | IP66 Compliant Front Bezel                                                                                                                                                |
| Dimensions (WxHxD)                  | 499.6 x 314.6 x 82mm                                                                                                                                                      |
| Net Weight                          | 6.7 kg                                                                                                                                                                    |
| Environmental                       |                                                                                                                                                                           |
| Operating Temperature               | Standard: 0~50°C (default) / -20~60°C (optional)<br>High Brightness: 0~50°C                                                                                               |
| Storage Temperature                 | -30~70°C                                                                                                                                                                  |
| Humidity                            | 10 to 95%@ 40°C, non-condensing                                                                                                                                           |
| Certificate                         | CE/FCC Class A                                                                                                                                                            |
| Operating System Support            |                                                                                                                                                                           |
| Windows 10 IoT Enterprise 2021 LTSC |                                                                                                                                                                           |
| Windows 11 (21H2) or later          |                                                                                                                                                                           |
| Linux 22.04 or later                |                                                                                                                                                                           |
| Ordering Information                |                                                                                                                                                                           |
| ARCHMI-S-918DP                      | 18.5" FHD fanless HMI barebone with Intel i3-1215U/i5-1235U CPU, 2 x DDR5 slot, Projected Capacitive touch, 9~36VDC input with adapter, Aluminum chassis.                 |
| ARCHMI-S-918DR                      | 18.5" FHD fanless HMI barebone with Intel i3-1215U/i5-1235U CPU, 2 x DDR5 slot, Resistive touch screen, 9~36VDC input with adapter, Aluminum chassis.                     |
| ARCHMI-S-918DPH                     | 18.5" FHD High brightness fanless HMI barebone with Intel i3-1215U/i5-1235U CPU, 2 x DDR5 slot, Projected Capacitive touch, 9~36VDC input with adapter, Aluminum chassis. |
| ARCHMI-S-918DRH                     | 18.5" FHD High brightness fanless HMI barebone with Intel i3-1215U/i5-1235U CPU, 2 x DDR5 slot, Resistive touch screen, 9~36VDC input with adapter, Aluminum chassis.     |