

## ARCHMI-S-910DP/R(H)

## 10.1" Intel 12th Gen. Alder Lake-P Platform Fanless Industrial Panel PC



### Features

- 10.1" Industrial Compact Size Panel PC
- Intel 12th Gen. i5-1235U, i3-1215U (Alder lake-P)
- Support 2 x DDR4 3200MHz SO-DIMM, Up to 32GB
- 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
- 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 DDR4 3200MHz SO-DIMM, up to 32GB                                                                                                                                             |                        |
| BIOS                           | AMI UEFI                                                                                                                                                                         |                        |
| I/O Port                       |                                                                                                                                                                                  |                        |
| USB                            | 2 x USB 3.2 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<br>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, 2280)                                                                                                                                         |                        |
| Expansion                      |                                                                                                                                                                                  |                        |
| Expansion slot                 | 1 x M.2 Key-E Slot (Support WIFI+BT, 2230)(USB2.0, PCIe x1)<br>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 IC                                                                                                                                                    |                        |
| Watchdog Timer                 | 1~255 sec (system)                                                                                                                                                               |                        |
| Wake on LAN                    | Support WOL                                                                                                                                                                      |                        |
| Dispalay                       | Standard                                                                                                                                                                         | High Brightness by SKU |
| Display Type                   | 10.1" TFT-LCD                                                                                                                                                                    | 10.1" TFT-LCD          |
| Max. Resolution                | 1280 x 800                                                                                                                                                                       | 1280 x 800             |
| Max. Color                     | 16.7M                                                                                                                                                                            | 16.7M                  |
| Luminance (cd/m <sup>2</sup> ) | 350                                                                                                                                                                              | 1200                   |
| View Angle                     | 170(H)/170(V)                                                                                                                                                                    | 178(H)/178(V)          |
| Contrast                       | 800:1                                                                                                                                                                            | 1200:1                 |
| Backlight Lifetime             | 30,000 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-910DP/R: 75W(Max)                                                                                                                                                       |                        |

HMI Controller

All specifications and photos are subject to change without notice.

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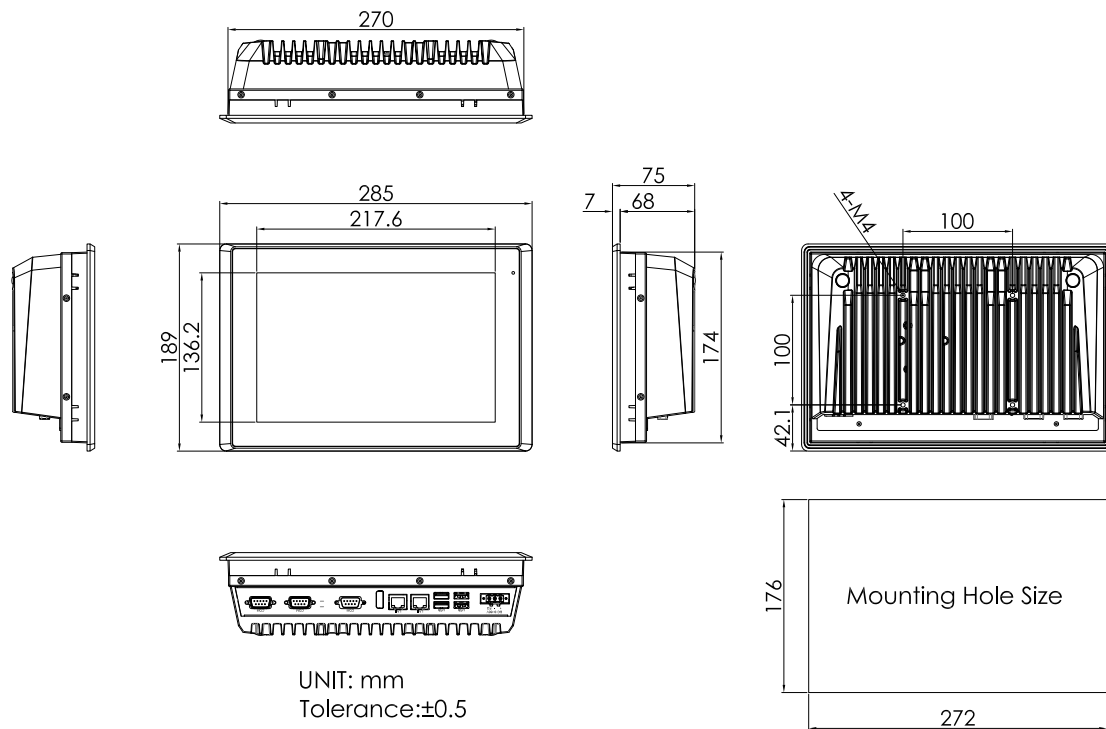
Industrial Panel PC

HMI Controller

Industrial  
Display Monitor

Box PC

## Dimensions



### Mechanical

|                    |                              |
|--------------------|------------------------------|
| Construction       | Aluminum Die-casting Chassis |
| Mounting           | Panel Mount, VESA 100 x 100  |
| IP Rating          | IP66 Compliant Front Bezel   |
| Dimensions (WxHxD) | 285 x 189 x 75 mm            |
| Net Weight         | 2.61 kg                      |

### Environmental

|                       |                                                      |
|-----------------------|------------------------------------------------------|
| Operating Temperature | 0~50°C / -20~60°C (w/ Industrial wide Temp. SSD/RAM) |
| 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-910DP  | 10.1" WXGA fanless HMI barebone with Intel i3-1215U/i5-1235U CPU, 2 x DDR4 slot, Projected Capacitive touch, 9~36V DC input with adapter, Aluminum chassis.                 |
| ARCHMI-S-910DR  | 10.1" WXGA fanless HMI barebone with Intel i3-1215U/i5-1235U CPU, 2 x DDR4 slot, Resistive touch screen, 9~36V DC input with adapter, Aluminum chassis.                     |
| ARCHMI-S-910DPH | 10.1" WXGA High brightness fanless HMI barebone with Intel i3-1215U/i5-1235U CPU, 2 x DDR4 slot, Projected Capacitive touch, 9~36V DC input with adapter, Aluminum chassis. |
| ARCHMI-S-910DRH | 10.1" WXGA High brightness fanless HMI barebone with Intel i3-1215U/i5-1235U CPU, 2 x DDR4 slot, Resistive touch screen, 9~36V DC input with adapter, Aluminum chassis.     |

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