

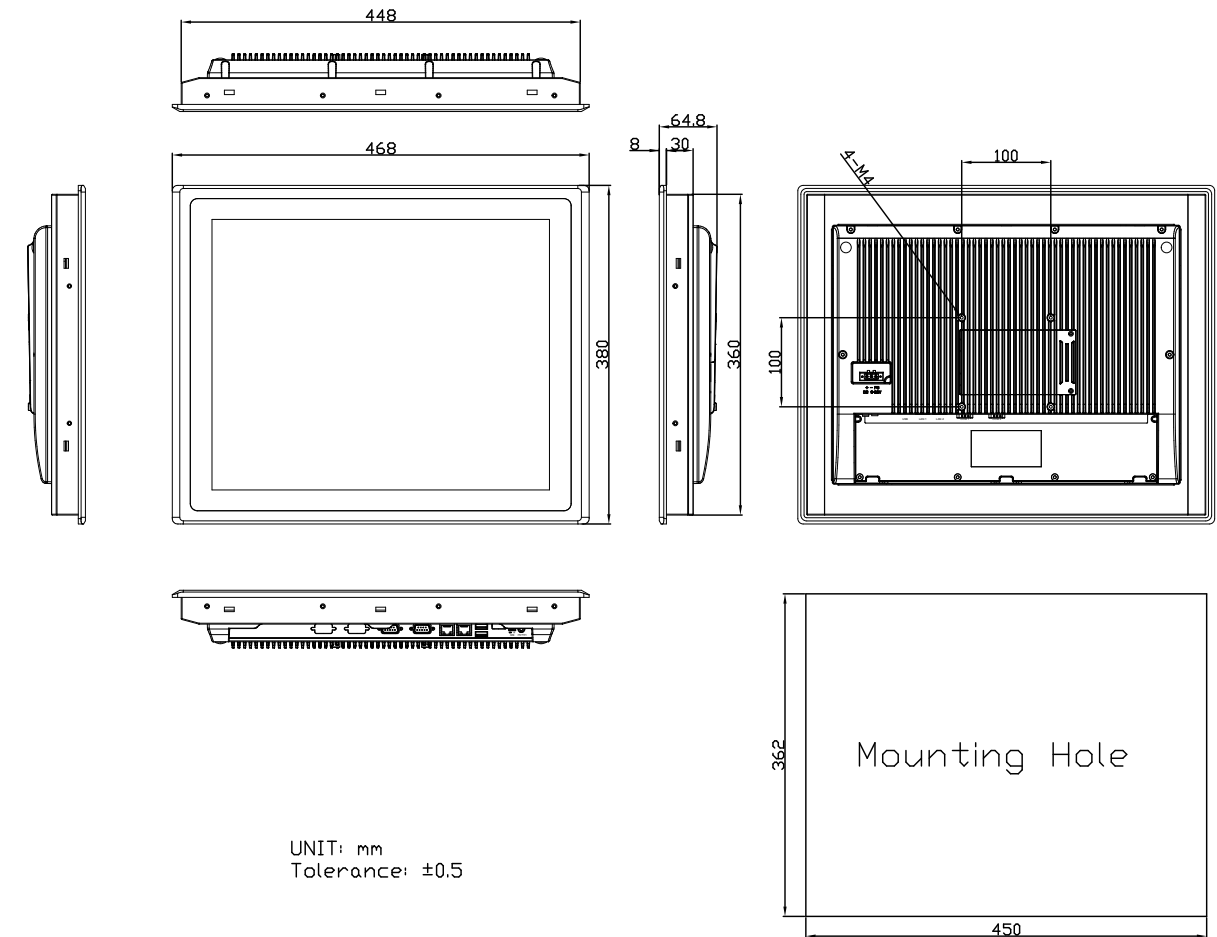
## Features

- 19" Industrial Compact Size Panel PC
- Intel 4th Gen. Core i3 CPU built-in/ i5(option)
- Onboard 4GB DDR3L 1600MHz/ 8GB(option)
- Flat Front Panel Touch Screen and Fanless Design
- DC 9~36V Wide Range Power Input
- IP66 Compliant Front Panel
- Optional Projected Capacitive Touch Screen Support 7H Anti-Scratch Surface

## Specifications

| System                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU                            | Onboard Intel 4th Gen. Core i3 CPU Processors / i5(option)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| System Chipset                 | SoC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Memory                         | Onboard 4GB DDR3L 1600MHz/ 8GB(option)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| I/O Port                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| USB                            | 2 x USB 3.0 type A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Serial / Parallel              | 1 x DB-9 RS-232/422/485, COM1 (Default RS-232)<br>1 x RS-232 DB-9, COM2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Audio                          | 1 x Audio Line Out                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| LAN                            | 2 x GbE LAN RJ-45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Power                          | 1 x 3-pin DC power input terminal<br>1 x 2-pin connector for power on/off                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Option                         | VESA Stand<br>4G LTE/Wi-Fi/BT<br>4 x USB 2.0 type A (TB-528U4)<br>4 x USB 2.0 type A + 1 x Mini PCIe + 1 x SIM slot (TB-528U4ME1)<br>1 x COM (RS-232) + 2 x USB 2.0 (TB-528C1U2)<br>1 x COM (RS-232) + 2 x USB 2.0 + 1 x Power Button (TB-528C1U2P1)<br>2 x COM (RS-232) (TB-528C2)<br>2 x COM (RS-232) + 1 x Mini-PCIe slot + 1 x SIM slot (TB-528C2ME1)<br>2 x COM (RS-422/485, isolated) (TB-528C2I)<br>2 x CAN (TB-528CAN2)<br>1 x LAN/ 2 x USB 2.0 (TB-528E1U2)<br>1 x LAN + 2 x USB 2.0, 45W PoE (TB-528E1U2UPOE)*<br>UPS Battery 21W/10.8Wh/1.95Ah (3S1P)<br>System is only allowed to build in either TB-528 PoE series or UPS battery |
| Storage Space                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| HDD                            | 1 x 2.5" SATA HDD bay for SATA HDD (Easy Accessible)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Expansion                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Expansion Slot                 | 1 x Internal Mini-PCIe slot full size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Display                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Display Type                   | 19" TFT-LCD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Max. Resolution                | 1280 x 1024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Max. Color                     | 16.7M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Luminance (cd/m <sup>2</sup> ) | 350                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| View Angle                     | 170(H) / 160(V)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Contrast                       | 1000:1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Backlight Lifetime             | 50,000 hrs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Touch Screen                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Type                           | Resistive Touch (for R Model)<br>Projected Capacitive Touch (for P Model)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Interface                      | USB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Light Transmission(%)          | Resistive Touch: over 80%<br>Projected Capacitive Touch: over 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Dimensions



| Power                    |                                                                                                                                                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Input              | DC 9~36V                                                                                                                                           |
| Power Consumption        | ARCHMI-919: 44W (MAX)                                                                                                                              |
| Mechanical               |                                                                                                                                                    |
| Color                    | RAL 9007                                                                                                                                           |
| Construction             | Aluminum front bezel/ Aluminum die-casting for back cover                                                                                          |
| Mounting                 | Panel Mount, VESA 100 x 100                                                                                                                        |
| Dimensions (WxHxD)       | 468mm x 380mm x 64.8mm                                                                                                                             |
| IP Rating                | IP66 Compliant Front Bezel                                                                                                                         |
| Net Weight               | 7.5 kg                                                                                                                                             |
| Environmental            |                                                                                                                                                    |
| Operating Temperature    | 0~50°C                                                                                                                                             |
| Storage Temperature      | -30~70°C                                                                                                                                           |
| Humidity                 | 10 to 95%@ 40°C, non-condensing                                                                                                                    |
| Certificate              | CE/FCC Class A/CB/UL                                                                                                                               |
| Operating System Support |                                                                                                                                                    |
| Windows 10 IoT           |                                                                                                                                                    |
| Ordering Information     |                                                                                                                                                    |
| ARCHMI-919               | 19" SXGA Fanless HMI barebone with Intel Core i3-4010 CPU, 4GB DDR3 RAM, Resistive touch screen, 9~36V DC input with adapter, Aluminum chassis     |
| ARCHMI-919P              | 19" SXGA Fanless HMI barebone with Intel Core i3-4010 CPU, 4GB DDR3 RAM, Projected Capacitive touch, 9~36V DC input with adapter, Aluminum chassis |

\*PoE limitation: CPU turbo off, rear I/O no loading, 70% LED backlight, PSE cable length < 50m