

### Features

- 18.5" Industrial Compact Size Panel PC
- 6th Gen. Intel Core i3/i5, CPU built-in
- 1 x 260-pin SO-DIMM DDR4 up to 16GB 2133MHz
- Flat Front Panel Touch Screen
- Fanless Design
- DC 9~36V Wide-Ranging Power Input
- Optional Projected Capacitive Touch Screen Support 7H Anti-Scratch Surface
- High Brightness 1,000 nits for option

### Specifications

| System            |   |
|-------------------|---|
| CPU               | Onboard 6th Gen Intel Core i3-6100U Processor (3M Cache,2.30 GHz) / Intel Core i5-6300U Processor (3M Cache,2.30 GHz)   |
| System Chipset    | SoC   |
| Memory            | 1 x 260-pin SO-DIMM DDR4 up to 16GB 2133MHz   |
| TPM               | TPM 2.0   |
| I/O Port          |   |
| USB               | 2 x USB 3.0 type A  |
| Serial / Parallel | 1 x RS-232/422/485 DB9 (COM1), default RS-232<br>1 x RS-232 DB9 (COM2)  |
| Audio             | 1 x Audio Line Out  |
| LAN               | 2 x GbE LAN RJ-45   |
| Power             | 1 x 3-pin Terminal Block Connector<br>1 x 2-pin Power Switch Connector  |
| Option            | VESA Stand<br>4G LTE/WiFi/ 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>2 x COM (RS-232) (TB-528C2)<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) + 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 type A (TB-528E1U2)<br>Backup Battery 21W/10.8V/1.95Ah(3S1P) |

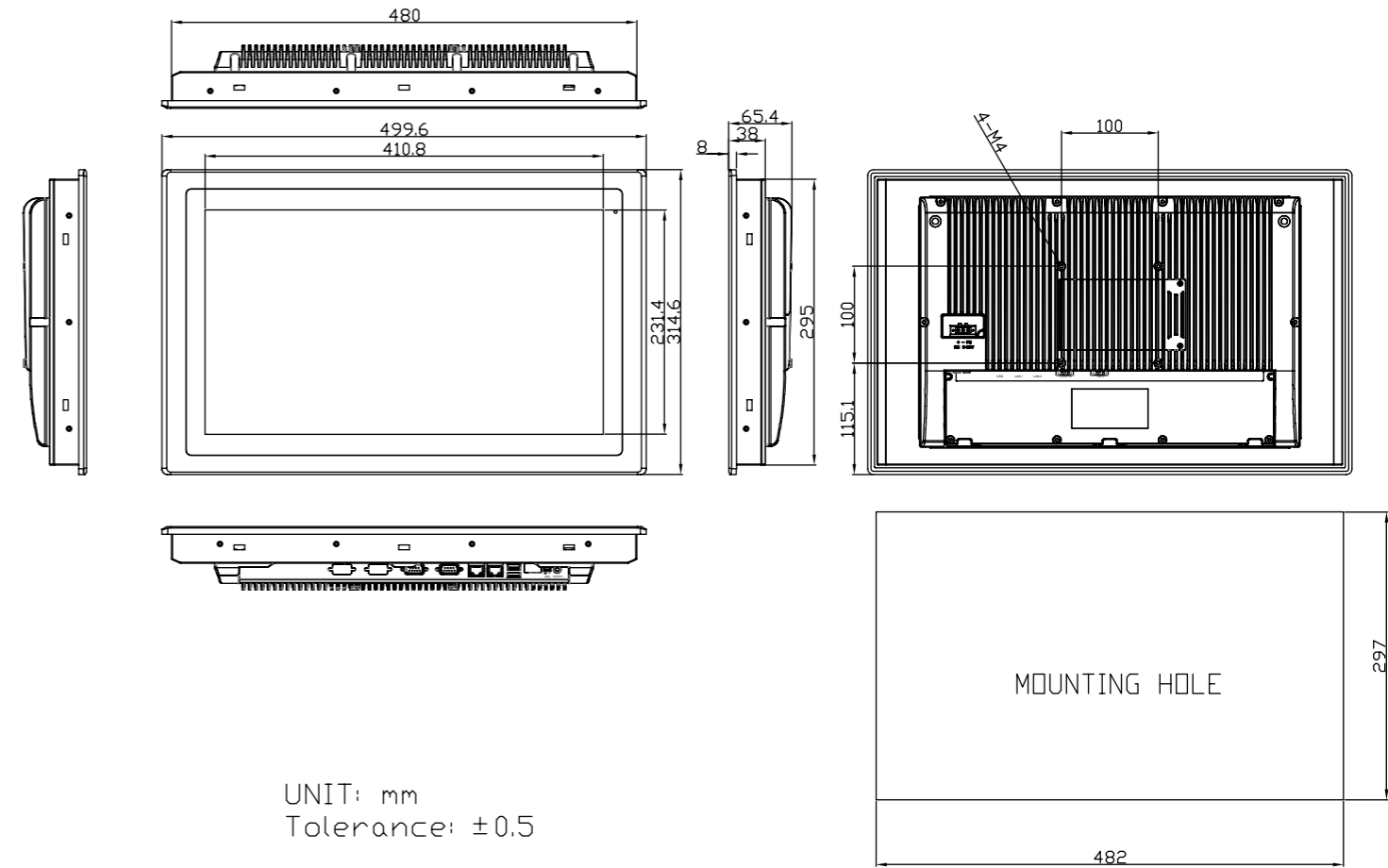
| Storage Space |                          |
|---------------|--------------------------|
| HDD           | 1 x 2.5" SATA3 HDD space |

| Expansion             |                                |
|-----------------------|--------------------------------|
| Onboard expansion bus | 1 x Mini-PCIe slot (full size) |

| Display                        | Standard      |               | High Brightness Optional |               |
|--------------------------------|---------------|---------------|--------------------------|---------------|
|                                | 18.5" TFT-LCD |               | 18.5" TFT-LCD            |               |
| Display Type                   | default       | optional      | default                  | optional      |
| Max. Resolution                | 1366 x 768    | 1920 x 1080   | 1366 x 768               | 1920 x 1080   |
| Max. Color                     | 16.7M         | 16.7M         | 16.7M                    | 16.7M         |
| Luminance (cd/m <sup>2</sup> ) | 300           | 350           | 1000                     | 1000          |
| View Angle                     | 170(H)/160(V) | 178(H)/178(V) | 170(H)/160(V)            | 178(H)/178(V) |
| Contrast                       | 1000:1        | 1000:1        | 1000:1                   | 1000:1        |
| Backlight Lifetime             | 50,000 hrs    | 50,000 hrs    | 50,000 hrs               | 40,000 hrs    |

| Touch Screen          |   |
|-----------------------|---|
| Type                  | Resistive Touch (for AR Model)<br>Projected Capacitive Touch (for AP Model) |
| Interface             | USB   |
| Light Transmission(%) | Resistive Touch: 80% / Projected Capacitive Touch: 90%                      |

### Dimensions



| Power             |                         |
|-------------------|-------------------------|
| Power Input       | DC 9~36V                |
| Power Consumption | ARCHMI-918AR: 55W (MAX) |

| Mechanical         |                             |
|--------------------|-----------------------------|
| Construction       | Aluminum Chassis            |
| Mounting           | Panel Mount, VESA 100 x 100 |
| Dimensions (WxHxD) | 499.6 x 314.6 x 65.4 mm     |
| IP Rating          | IP66 Compliant Front Bezel  |
| Net Weight         | 6 kg                        |

| Environmental         |                                 |
|-----------------------|---------------------------------|
| Operating Temperature | 0~50°C / -20~60°C (option)      |
| Storage Temperature   | -30~70°C                        |
| Humidity              | 10 to 90%@ 40°C, non-condensing |
| Certificate           | CE / FCC, Class A / UL          |

| Operating System Support |                |
|--------------------------|----------------|
| Windows                  | Windows 10 IoT |

| Ordering Information |  |
|----------------------|--|
| ARCHMI-918AR         | 18.5" WXGA fanless HMI barebone with Intel 6th Gen. Core i3-6100 CPU, 1 x SO-DIMM(260pins), Up to 16GB DDR4 2133MHz, Resistive touch screen, 9~36VDC input with adapter, Aluminum chassis.     |
| ARCHMI-918AP         | 18.5" WXGA fanless HMI barebone with Intel 6th Gen. Core i3-6100 CPU, 1 x SO-DIMM(260pins), Up to 16GB DDR4 2133MHz, Projected Capacitive touch, 9~36VDC input with adapter, Aluminum chassis. |