

### Features

- 15.6" 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

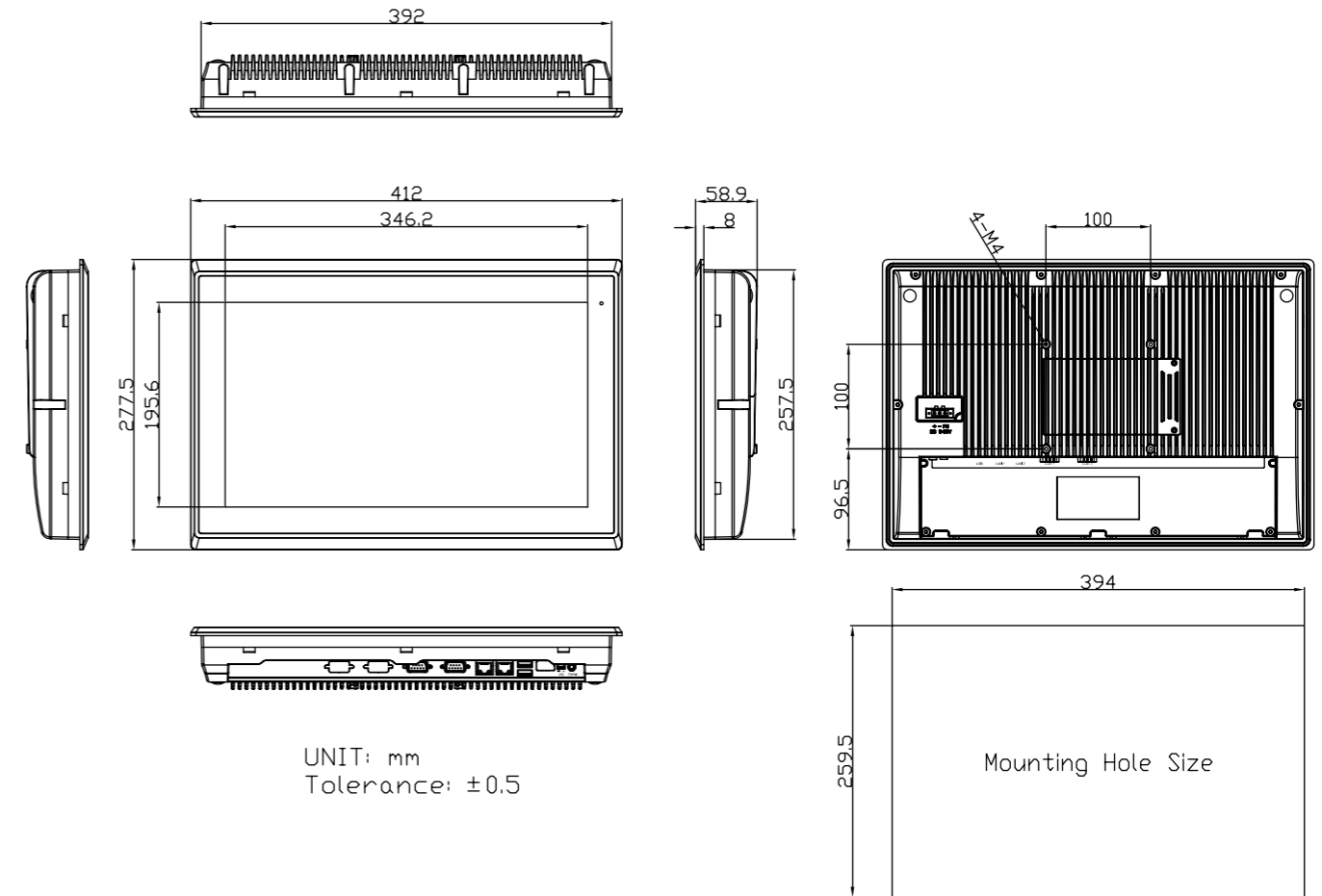
### Specifications

| 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  |
| 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-PCle + 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-PCle 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>1 x LAN(45W isolated PoE PD) + 2 x USB 2.0 type A (TB528E1U2UPOE)<br>Backup Battery 21Wh/10.8V/1.95Ah(3S1P)<br>System is only allowed to build in either I/O board TB-528 series or backup battery |
| Storage Space         |  |
| HDD                   | 1 x 2.5" SATA3 HDD space   |
| Expansion             |  |
| Onboard expansion bus | 1 x Mini-PCle slot (full size)   |

| Display                        | Standard      |               | High Brightness Optional |               |
|--------------------------------|---------------|---------------|--------------------------|---------------|
|                                | 15.6" TFT-LCD |               |                          |               |
| Display Type                   | 15.6" TFT-LCD |               |                          |               |
| Max. Resolution                | 1366 x 768    | 1920 x 1080   | 1366 x 768               | 1920 x 1080   |
| Max. Color                     | 16.7M         | 16.2M         | 16.7M                    | 16.2M         |
| Luminance (cd/m <sup>2</sup> ) | 400           | 450           | 1000                     | 1000          |
| View Angle                     | 170(H)/160(V) | 170(H)/170(V) | 160(H)/160(V)            | 170(H)/170(V) |
| Contrast                       | 500:1         | 800:1         | 500:1                    | 800:1         |
| Backlight Lifetime             | 50,000 hrs    | 50,000 hrs    | 50,000 hrs               | 50,000 hrs    |

| Touch Screen          |   |
|-----------------------|---|
| Type                  | Resistive Touch (for AR Model)<br>Projected Capacitive Touch (for AP Model) |
| Interface             | USB   |
| Light Transmission(%) | Resistive Touch: 0%<br>Projected Capacitive Touch: 90%                      |

### Dimensions



| Power             |                         |
|-------------------|-------------------------|
| Power Input       | DC 9~36V                |
| Power Consumption | ARCHMI-916AP: 46W (MAX) |

| Mechanical         |                              |
|--------------------|------------------------------|
| Construction       | Aluminum Die-casting Chassis |
| Mounting           | Panel Mount, VESA 100 x 100  |
| Dimensions (WxHxD) | 412 x 277.5 x 58.9 mm        |
| IP Rating          | IP66 Compliant Front Bezel   |
| Net Weight         | 4.5 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 10 IoT           |  |

| Ordering Information |  |
|----------------------|--|
| ARCHMI-916AR         | 15.6" 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-916AP         | 15.6" 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 screen, 9~36VDC input with adapter, Aluminum chassis |