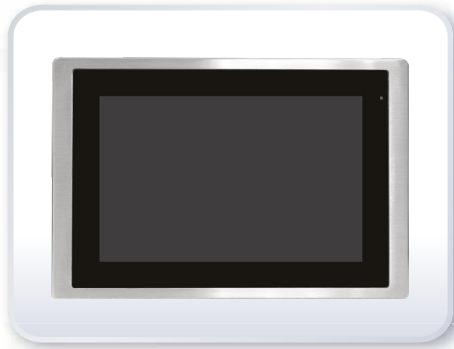


## FABS-810BP/R(H)

## 10.1" Food Safety Grade Hygienic Design Compact Size Panel PC



### Features

- 10.1" Food Industrial Panel PC
- Intel Celeron J6412 Processor
- 1 x 260-pin SO-DIMM DDR4 slot, up to 32GB 3200MHz
- Flat Front Panel Touch Screen with IP66/IP69K Front Bezel
- SUS304 Stainless Steel (option SUS316L)
- DC 9~36V Wide Range Power Input
- Support TPM 2.0 Hardware Security

### Specifications

| System                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| CPU                            | Intel Celeron J6412 Processor (2.0 GHz, 1.5MB L2 cache)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |
| System Chipset                 | SoC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                          |
| Memory                         | 1 x 260-pin SO-DIMM up to 32GB DDR4 3200MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                          |
| TPM                            | TPM 2.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |
| I/O Port                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |
| USB                            | 2 x USB 3.2 Gen2 type A<br>2 x USB 2.0 type A                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |
| Serial / Parallel              | 1 x RS-232/422/485 (Default RS-232; select via BIOS)                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                          |
| Audio                          | 1 x Audio Line Out                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                          |
| LAN                            | 2.5 x GbE LAN RJ-45(I226)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                          |
| DP                             | 1 x DP, support DP++                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                          |
| Power                          | 1 x 3-pin Terminal Block Connector<br>1 x 2-pin Power Switch Connector                                                                                                                                                                                                                                                                                                                                                                                                                                       |                          |
| Option                         | VESA Stand<br>4G LTE / WiFi 4/5/6E / Bluetooth<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>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 2W Speaker<br>Auto Dimming<br>*TB-528 series, speaker only be in either one |                          |
| Storage Space                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |
| Storage                        | 1 x M.2 B-Key slot (Support SATA3; 2242/2280, Default 2242)                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                          |
| Expansion                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |
| Onboard Expansion Bus          | 1 x Mini-PCle slot (full size)<br>1 x M.2 E-key<br>1 x Nano SIM card holder                                                                                                                                                                                                                                                                                                                                                                                                                                  |                          |
| Dispalay                       | Standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Optional High Brightness |
| Display Type                   | 10.1" TFT-LCD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10.1" TFT-LCD            |
| Max. Resolution                | 1280 x 800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1280 x 800               |
| Max. Color                     | 16.7M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 16.2M                    |
| Luminance (cd/m <sup>2</sup> ) | 350                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1000                     |
| View Angle                     | 170(H) / 170(V)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 170(H) / 170(V)          |
| Contrast                       | 800:1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1300:1                   |
| Backlight Lifetime             | 30,000 hrs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 50,000 hrs               |
| Touch Screen                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |
| Type                           | Resistive Touch (for BR Model)<br>Projected Capacitive Touch (for BP Model)                                                                                                                                                                                                                                                                                                                                                                                                                                  |                          |
| Interface                      | USB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                          |
| Light Transmission(%)          | Resistive Touch: 80%<br>Projected Capacitive Touch: 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |

HMI Controller

All specifications and photos are subject to change without notice.

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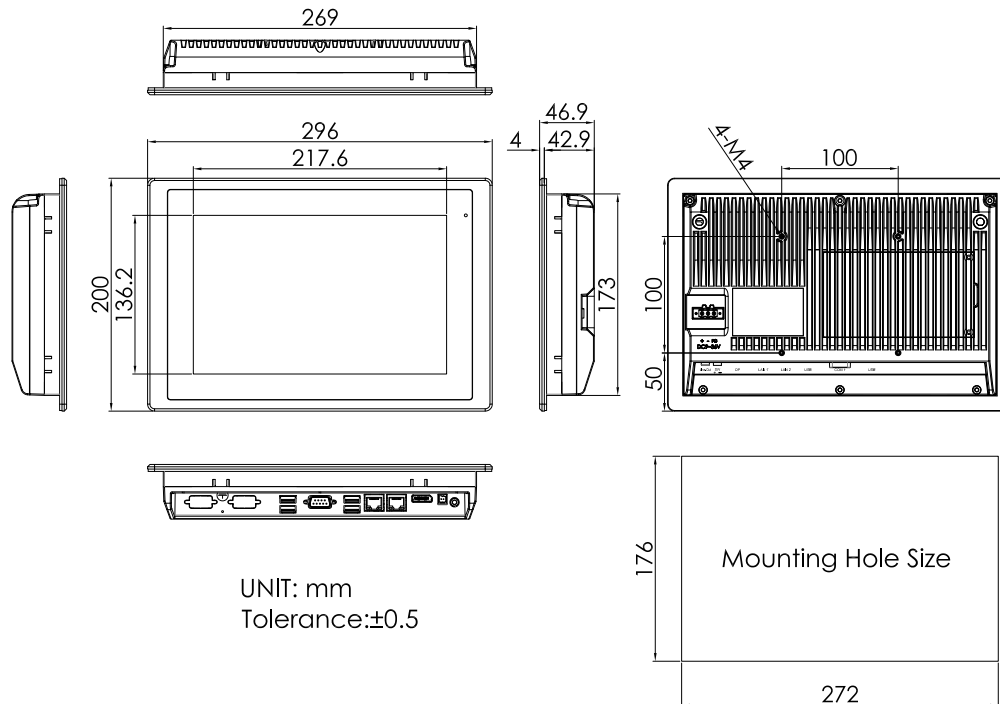
Industrial Panel PC

HMI Controller

Industrial  
Display Monitor

Box PC

## Dimensions



| Power                          |                                                                                                                                                                                                         |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Input                    | DC 9~36V                                                                                                                                                                                                |
| Power Consumption              | TBD                                                                                                                                                                                                     |
| Mechanical                     |                                                                                                                                                                                                         |
| Construction                   | SUS304 Stainless Steel Front Bezel (default) / SUS316L Stainless Steel Front Bezel (for option) / Aluminum Die-casting Back Cover                                                                       |
| Mounting                       | Panel Mount, VESA Mount 100 x 100                                                                                                                                                                       |
| IP Rating                      | IP66/IP69K Compliant Front Bezel                                                                                                                                                                        |
| Dimensions                     | 296 x 200 x 46.9 mm                                                                                                                                                                                     |
| Net Weight                     | TBD                                                                                                                                                                                                     |
| Environmental                  |                                                                                                                                                                                                         |
| Operating Temperature          | 0~50°C / -20~60°C (option)                                                                                                                                                                              |
| Storage Temperature            | -30~70°C                                                                                                                                                                                                |
| Humidity                       | 10 to 95% @ 40°C, non-condensing                                                                                                                                                                        |
| Certificate                    | CE/FCC Class B/ EN 1672-2 Compliant for P Model (optional)                                                                                                                                              |
| Operating System Support       |                                                                                                                                                                                                         |
| Windows 10 IoT, Windows 11 IoT |                                                                                                                                                                                                         |
| Ordering Information           |                                                                                                                                                                                                         |
| FABS-810BR                     | 10.1" WXGA fanless HMI barebone with Intel Celeron J6412 processor, 1 x DDR4 slot, Resistive touch screen, 9~36V DC input with adapter, Stainless front bezel and Aluminum chassis.                     |
| FABS-810BP                     | 10.1" WXGA fanless HMI barebone with Intel Celeron J6412 processor, 1 x DDR4 slot, Projected Capacitive touch, 9~36V DC input with adapter, Stainless front bezel and Aluminum chassis.                 |
| FABS-810BR(H)                  | 10.1" high brightness WXGA fanless HMI barebone with Intel Celeron J6412 processor, 1 x DDR4 slot, Resistive touch screen, 9~36V DC input with adapter, Stainless front bezel and Aluminum chassis.     |
| FABS-810BP(H)                  | 10.1" high brightness WXGA fanless HMI barebone with Intel Celeron J6412 processor, 1 x DDR4 slot, Projected Capacitive touch, 9~36V DC input with adapter, Stainless front bezel and Aluminum chassis. |

V 1.1

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HMI Controller

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