

## FABS-915BP/R(H)

15" Food Safety Grade Hygienic Design Compact Size Panel PC



### Features

- 15" Food Industrial Panel PC
- 8th Gen. Intel Core i3/i5, CPU built-in
- 1 x 260-pin SO-DIMM DDR4 slot, up to 32GB 2400MHz
- 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            | Onboard 8th Gen Intel Core i3-8145UE Processor (2C/4T, 2.2GHz)<br>Intel Core i5-8365UE Processor (4C/8T, 1.6GHz) |
| System Chipset | SoC                                                                                                              |
| Memory         | 1 x 260-pin SO-DIMM up to 32GB DDR4 2400MHz                                                                      |
| TPM            | TPM 2.0                                                                                                          |

| IO Port           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| USB               | 4 x USB 3.0 type A<br>1 x DB-9 connector, Including:                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Serial / Parallel | * 1 x RS-232(RTS, Rx, Tx, CTS), pin1 RTS/5V/12V selectable via jumper (COM1)<br>* 1 x RS-232(Tx, Rx)/422/485(COM2) by Y Cable                                                                                                                                                                                                                                                                                                                                                                                                |
| LAN               | 2 x GbE LAN RJ-45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Audio             | 1 x Line Out                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| DP                | 1 x DP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Power             | 1 x 3-pin Terminal Block Connector<br>1 x 2-pin Power Switch Connector                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Option            | VESA Stand<br>4G LTE/Wi-Fi 4/5/6+/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>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 (TB-528E1U2)<br>Backup Battery 21W/10.8V/1.95Ah(3S1P) |

| Storage Space |                                                                     |
|---------------|---------------------------------------------------------------------|
| Storage       | 1 x M.2 M-Key slot<br>(Support PCIe/SATA3; 2242/2280, Default 2242) |

| Expansion             |                                                          |
|-----------------------|----------------------------------------------------------|
| Onboard Expansion Bus | 1 x Mini-PCle slot (full size), 1 x Nano SIM Card Holder |

| Display                        | Standard        | High Brightness Optional |
|--------------------------------|-----------------|--------------------------|
| Display Type                   | 15" TFT-LCD     | 15" TFT-LCD              |
| Max. Resolution                | 1024 x 768      | 1024 x 768               |
| Max. Color                     | 16.2M           | 16.7M                    |
| Luminance (cd/m <sup>2</sup> ) | 300             | 1000                     |
| View Angle                     | 176(H) / 176(V) | 176(H) / 176(V)          |
| Contrast                       | 2000:1          | 3000:1                   |
| Backlight Lifetime             | 70,000 hrs      | 70,000 hrs               |

| Touch Screen          |                                                                             |
|-----------------------|-----------------------------------------------------------------------------|
| Type                  | Projected Capacitive Touch (for BP model)<br>Resistive Touch (for BR model) |
| Interface             | USB                                                                         |
| Light Transmission(%) | Resistive Touch: 80%<br>Projected Capacitive: 90%                           |

HMI Controller

All specifications and photos are subject to change without notice.

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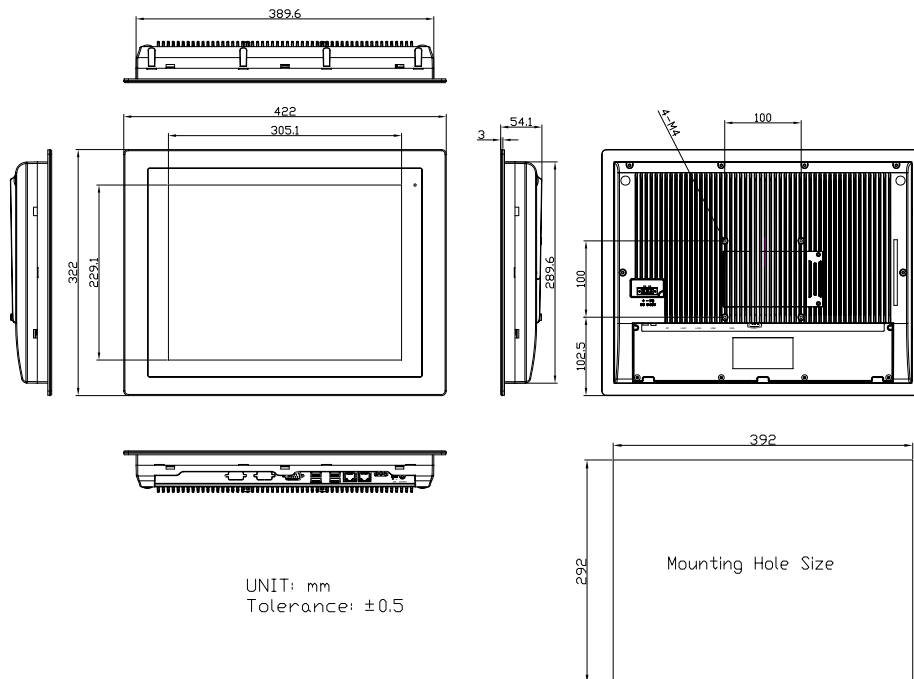
Industrial Panel PC

HMI Controller

Industrial  
Display Monitor

Box PC

## Dimensions



| Power                          |                                                                                                                                                                                                               |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Input                    | DC 9~36V                                                                                                                                                                                                      |
| Power Consumption              | FABS-915BP/R: 60W                                                                                                                                                                                             |
| Mechanical                     |                                                                                                                                                                                                               |
| Construction                   | SUS304 Stainless Steel Front Bezel (default)<br>SUS316L Stainless Steel Front Bezel (for option)<br>Aluminum Die-casting Back Cover                                                                           |
| Mounting                       | Panel Mount, VESA Mount 100 x 100                                                                                                                                                                             |
| IP Rating                      | IP66/IP69K Compliant Front Bezel                                                                                                                                                                              |
| Dimensions                     | 422 x 322 x 54.1 mm                                                                                                                                                                                           |
| Net Weight                     | 5.1 kg                                                                                                                                                                                                        |
| 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 A / EN 1672-2 Compliant for P Model (optional)                                                                                                                                                   |
| Operating System Support       |                                                                                                                                                                                                               |
| Windows 10 IoT, Windows 11 IoT |                                                                                                                                                                                                               |
| Ordering Information           |                                                                                                                                                                                                               |
| FABS-915BR                     | 15" XGA fanless HMI barebone with Intel 8th Gen. Core i3-8145UE/i5-8365UE, 1 x DDR4 slot, Resistive touch screen, 9~36V DC input with adapter, Stainless front bezel and Aluminum chassis.                    |
| FABS-915BP                     | 15" XGA fanless HMI barebone with Intel 8th Gen. Core i3-8145UE/i5-8365UE, 1 x DDR4 slot, Projected Capacitive touch, 9~36V DC input with adapter, Stainless front bezel and Aluminum chassis.                |
| FABS-915BR(H)                  | 15" High brightness XGA fanless HMI barebone with Intel 8th Gen. Core i3-8145UE/i5-8365UE, 1 x DDR4 slot, Resistive touch screen, 9~36VDC input with adapter, Stainless front bezel and Aluminum chassis.     |
| FABS-915BP(H)                  | 15" High brightness XGA fanless HMI barebone with Intel 8th Gen. Core i3-8145UE/i5-8365UE, 1 x DDR4 slot, Projected Capacitive touch, 9~36VDC input with adapter, Stainless front bezel and Aluminum chassis. |

V 1.2

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HMI Controller

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