

## 19 inch Panel PC FABS-919BR



- 19" TFT LCD, 1280 x 1024 pixels
- resistive touch
- Processor: Intel® Core™ i3-8145UE / i5-8365UE
- IP66/IP69K-compliant front panel
- Fanless cooling system
- Horizontal viewing angle 170°, vertical 160°

<https://www.wachendorff-prozesstechnik.de/en/fabs-919br>

### Description

The FABS-9 series is based on an 8th generation Intel® Core™-i processor.

The industrial panel PCs in this series, which are suitable for food production, are available in display sizes ranging from 12.1" to 21.5" and can be equipped with either projected capacitive or resistive touch. The projected capacitive touch enables multi-touch operation with an appropriate operating system. If pressure-sensitive operation is required (e.g. with gloves), the resistive touch is the right choice. The display is absolutely flush with the stainless steel front panel (type 304). The front has an IP69K (incl. IP66) rating and the fanless thermal design of the robust housing enables effective temperature control. The FABS IPCs can be optionally equipped with a high-brightness LCD and/or optical bonding for an outstanding display, even under the most difficult conditions. Expansion cards for additional interfaces or WLAN can also be integrated.

### Product details

|                    |                                                                                |
|--------------------|--------------------------------------------------------------------------------|
| Power supply:      | 9 VDC to 36 VDC                                                                |
| Power consumption: | TBD                                                                            |
| Display:           | 19" TFT LCD                                                                    |
| Resolution:        | 1280 x 1024 pixels                                                             |
| Aspect ratio:      | 5:4                                                                            |
| Brightness:        | 350 cd/m <sup>2</sup><br>1000 cd/m <sup>2</sup> (optional high-brightness LCD) |
| Backlight:         | 50.000 h                                                                       |
| Colors:            | 16,7 M                                                                         |
| Reading angle:     | H: 170° / V: 160°                                                              |
| Touch screen:      | resistive touch                                                                |
| Processor:         | Intel® Core™ i3-8145UE (2.2 GHz)<br>Intel® Core™ i5-8365UE (1.6 GHz)           |
| RAM:               | 1 x 260-pin SO-DIMM up to 32GB<br>DDR4 2400MHz                                 |
| SSD/HDD:           | 1 x M.2 M-Key slot (supports PCIe/<br>SATA3; 2242/2280, standard 2242)         |

|                     |                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Interfaces:         | USB: 4 x USB 3.0 type A<br>Serial: 1 x DB-9 connection, including:<br>1 x RS-232 (RTS, Rx, Tx, CTS), pin 1<br>RTS/5V/12V selectable via jumper (COM1)<br>1 x RS-232 (Tx, Rx) / RS-422 /<br>RS-485 (COM2) via Y-cable<br>Ethernet: 2x GbE 10/100/1000 Base T (X), RJ45<br>Audio: 1 x audio output<br>DP: 1 x DP<br>Power supply: 1 x 3-pin screw terminal connection, 1 x 2-pin power switch connection |
| Expansion slots     | 1 x Mini PCIe slot (full-size)<br>1 x Nano SIM card holder                                                                                                                                                                                                                                                                                                                                             |
| Housing:            | SUS304 stainless steel front panel (standard)<br>SUS316L stainless steel front panel (optional)<br>Rear housing made of die-cast aluminum                                                                                                                                                                                                                                                              |
| Assembly:           | Panel mounting, VESA mounting 100 x 100                                                                                                                                                                                                                                                                                                                                                                |
| Protection class:   | IP66/IP69K (front)                                                                                                                                                                                                                                                                                                                                                                                     |
| Dimensions (WxHxD): | 485 mm x 398 mm x 63.8 mm                                                                                                                                                                                                                                                                                                                                                                              |
| Weight:             | TBD                                                                                                                                                                                                                                                                                                                                                                                                    |
| Ambient conditions: | Operation: 0 °C to +50 °C ; -20 °C to +60 °C<br>Storage: -30 °C to +70 °C<br>10% to 95 %r.h., non-condensing                                                                                                                                                                                                                                                                                           |
| Certifications:     | CE/FCC Class A<br>EN 1672-2 certification for P model (optional)                                                                                                                                                                                                                                                                                                                                       |
| Operating systems:  | Windows® 10 IoT<br>Windows® 11 IoT                                                                                                                                                                                                                                                                                                                                                                     |

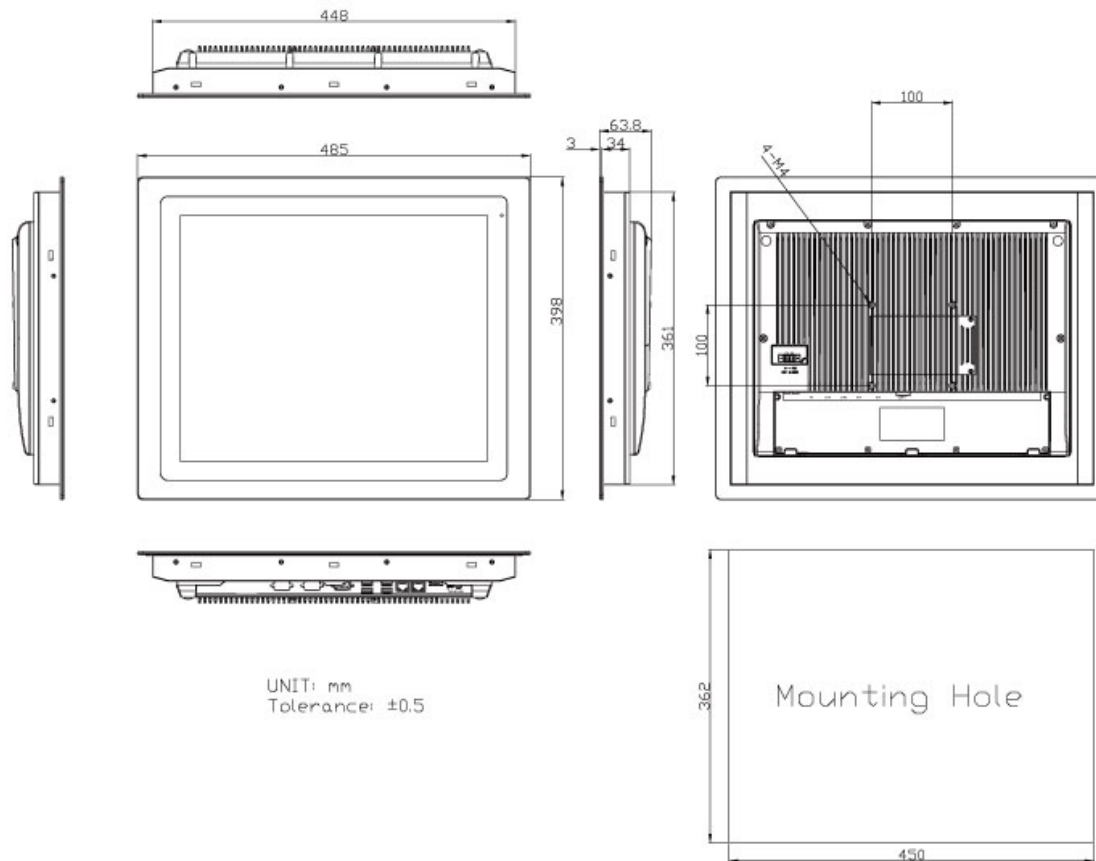
|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Options:               | 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 21 W / 10.8 V / 1.95 Ah (3S1P) |
| Scope of delivery:     | Device<br>1 x power supply unit<br>1 x mounting material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Customs tariff number: | 84715000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Manufacturer:          | Aplex Technology Inc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

| Products Order no. |                                                                       |
|--------------------|-----------------------------------------------------------------------|
| FABS-919BR         | 19" industrial panel PC, stainless steel front panel, resistive touch |

| Accessories Order no. |                                                                                 |
|-----------------------|---------------------------------------------------------------------------------|
| ETHSWG5C              | 5-way Ethernet switch, Gigabit, unmanaged                                       |
| ETHSWG8C1             | 8-port Ethernet switch, Gigabit, unmanaged                                      |
| DRS4-24A              | Power supply unit for top-hat rail, 85 to 264 VAC, 24 VDC 4.2 A, screw terminal |
| KABETH10              | Patch cable, RJ45 UTP CCA, CAT5e white, 0.3 m                                   |
| KABETH11              | Patch cable, RJ45 UTP CCA, CAT5e white, 1 m                                     |
| KABETH12              | Patch cable, RJ45 UTP CCA, CAT5e white, 2 m                                     |
| IPC_DIO_2P            | 2-pin connector plug, digital input                                             |

**Drawings**

**Dimensions (mm):**





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