

## 12.1 inch Panel PC FABS-812BG suitable for food production



- 12.1" TFT LCD, 800 x 600 pixels
- without touch function
- Processor: Intel® Celeron® J6412 (2.0 GHz)
- IP66/IP69K-compliant front panel
- Fanless cooling system
- Reading angle horizontal 176°, vertical 176°

<https://www.wachendorff-prozesstechnik.de/en/fabs-812bg>

### Description

The FABS-8 series is based on an Intel® Celeron® J6412 (2.0 GHz). The industrial panel PCs in this series, which are suitable for food production, are available in display sizes ranging from 7" 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: | 40 W   |
| Display:           | 12.1" TFT LCD  |
| Resolution:        | 800 x 600 pixels<br>1024 x 768 pixels (optional)<br>1024 x 768 pixels, 800 x 600 pixels (optional high-brightness LCD)   |
| Aspect ratio:      | 4:3  |
| Brightness:        | 450 cd/m <sup>2</sup><br>500 cd/m <sup>2</sup> (optional)<br>1000 cd/m <sup>2</sup> (optional high-brightness LCD)       |
| Colors:            | 16,7 M<br>16.2 M (optional)<br>16.7 M, 16.2M (optional high-brightness LCD)  |
| Reading angle:     | H: 176° / V: 176°<br>H: 178° / V: 178° (optional)<br>H: 176° / V: 176°, H: 178° / V: 178° (optional high-brightness LCD) |
| Backlight:         | 50.000 h<br>30,000 h (optional)<br>50,000 h, 70,000 h (optional high-brightness LCD)                                     |
| Touch screen:      | without touch function   |
| Processor:         | Intel® Celeron® J6412 (2.0 GHz)  |
| RAM:               | 1 x 260-pin SO-DIMM up to 32GB<br>DDR4 3200MHz   |
| SSD/HDD:           | 1 x M.2-B key slot (supports SATA3;<br>2242/2280, standard: 2242)  |

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| Interfaces:         | USB: 2 x USB 3.2 Gen2 type A, 2 x USB 2.0 type A<br>Serial: 1x RS-232/422/485 (RS-232 by default; selection via BIOS)<br>Ethernet: 2.5 x GbE LAN RJ-45(I226)<br>Audio: Audio output<br>DP: 1x DP (supports DP++)<br>Power supply: 1x 3-pin terminal connector, 1x 2-pin power switch connector |
| Expansion slots     | 1x Mini PCIe slot (full size)<br>1x M.2 E-Key slot<br>1x Nano SIM card holder  |
| Housing:            | SUS304 stainless steel front panel (standard)<br>SUS316L stainless steel front panel (optional)<br>Housing back made of die-cast aluminum  |
| Assembly:           | Panel mounting, VESA mounting<br>100 x 100 mm  |
| Protection class:   | Front panel protected to IP66/IP69K  |
| Dimensions (WxHxD): | 331 mm x 257 mm x 51.6 mm  |
| Weight:             | 3.3 kg   |
| Ambient conditions: | Operation: 0 °C to +50 °C ; -20 °C to +60 °C (optional)<br>Storage: -30 °C to +70 °C<br>10% to 90 %r.h., non-condensing.   |
| Certifications:     | CE/FCC Class B<br>EN 1672-2 compliant for P model (optional)   |
| Operating systems:  | Windows® 10 IoT<br>Windows® 11 IoT   |

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| Options:               | VESA mount<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 PCIe +<br>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<br>(TB-528C1U2)<br>1 x COM (RS-232) + 2 x USB 2.0 +<br>1 x power button (TB-528C1U2P1)<br>2 x COM (RS-232) + 1 x Mini PCIe<br>slot + 1 x SIM slot (TB-528C2ME1)<br>2 x COM (RS-422/485, isolated)<br>(TB-528C2I)<br>2 x CAN (TB-528CAN2)<br>1 x LAN + 2 x USB 2.0 type A<br>(TB-528E1U2)<br>1 x 2W speaker<br>1 x automatic brightness control<br><i>With the TB-528 series, the speaker<br/>can only be available in one variant</i> |
| 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.

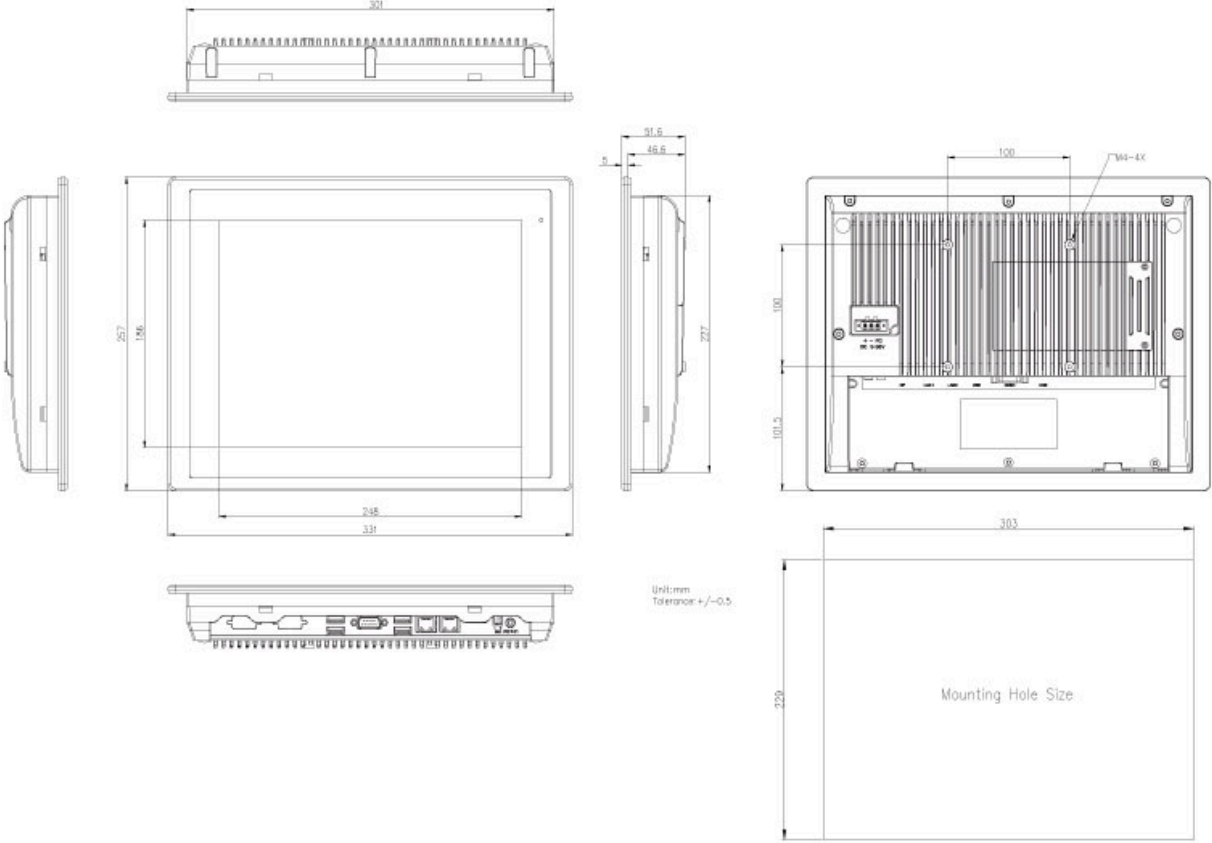
|            |  |
|------------|--|
| FABS-812BG | 12.1" industrial panel PC, stainless<br>steel front panel, without touch<br>function |
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#### Accessories Order no.

|            |   |
|------------|---|
| ETHSWG5C   | 5-way Ethernet switch, Gigabit,<br>unmanaged                                      |
| ETHSWG8C1  | 8-port Ethernet switch, Gigabit,<br>unmanaged                                     |
| DRS4-24A   | Power supply unit for DIN rail, 85 to<br>264 VAC, 24 VDC 4.2 A, screw<br>terminal |
| KABETH10   | Patch cable, RJ45 UTP CCA, CAT5e<br>white, 0.3 m                                  |
| KABETH11   | Patch cable, RJ45 UTP CCA, CAT5e<br>white, 1 m                                    |
| KABETH12   | Patch cable, RJ45 UTP CCA, CAT5e<br>white, 2 m                                    |
| IPC_DIO_2P | 2-pin connector plug, digital input   |

**Drawings**

**Dimensions (mm):**





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