

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



- 12.1" TFT LCD, 800 x 600 pixels
- resistive touch
- Processor: Intel® Celeron® J6412 (2.0 GHz)
- IP66/IP69K-compliant front panel
- Fanless cooling system
- Horizontal viewing angle 176°, vertical 176°

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

### 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 1024 x 768 pixels (optional) 1024 x 768 pixels, 800 x 600 pixels (optional high-brightness LCD)
Aspect ratio:	4:3
Brightness:	450 cd/m <sup>2</sup> 500 cd/m <sup>2</sup> (optional) 1000 cd/m <sup>2</sup> (optional high-brightness LCD)
Colors:	16,7 M 16.2 M (optional) 16.7 M, 16.2M (optional high-brightness LCD)
Reading angle:	H: 176° / V: 176° H: 178° / V: 178° (optional) H: 176° / V: 176°, H: 178° / V: 178° (optional high-brightness LCD)
Backlight:	50.000 h 30,000 h (optional) 50,000 h, 70,000 h (optional high-brightness LCD)
Touch screen:	resistive touch
Processor:	Intel® Celeron® J6412 (2.0 GHz)
RAM:	1 x 260-pin SO-DIMM up to 32GB DDR4 3200MHz
SSD/HDD:	1 x M.2-B key slot (supports SATA3; 2242/2280, standard: 2242)

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

Options:	<p>VESA mount          4G LTE / WiFi 4/5/6E / Bluetooth          4 x USB 2.0 type A (TB-528U4)          4 x USB 2.0 type A + 1 x Mini PCIe +          1 x SIM slot (TB-528U4ME1)          2 x COM (RS-232) (TB-528C2)          1 x COM (RS-232) + 2 x USB 2.0          (TB-528C1U2)          1 x COM (RS-232) + 2 x USB 2.0 +          1 x power button (TB-528C1U2P1)          2 x COM (RS-232) + 1 x Mini PCIe          slot + 1 x SIM slot (TB-528C2ME1)          2 x COM (RS-422/485, isolated)          (TB-528C2I)          2 x CAN (TB-528CAN2)          1 x LAN + 2 x USB 2.0 type A          (TB-528E1U2)          1 x 2W speaker          1 x automatic brightness control  <i>With the TB-528 series, the speaker          can only be available in one variant</i></p>
Scope of delivery:	<p>Device          1 x power supply unit          1 x mounting material</p>
Customs tariff number:	84715000
Manufacturer:	Aplex Technology Inc.

#### Products Order no.

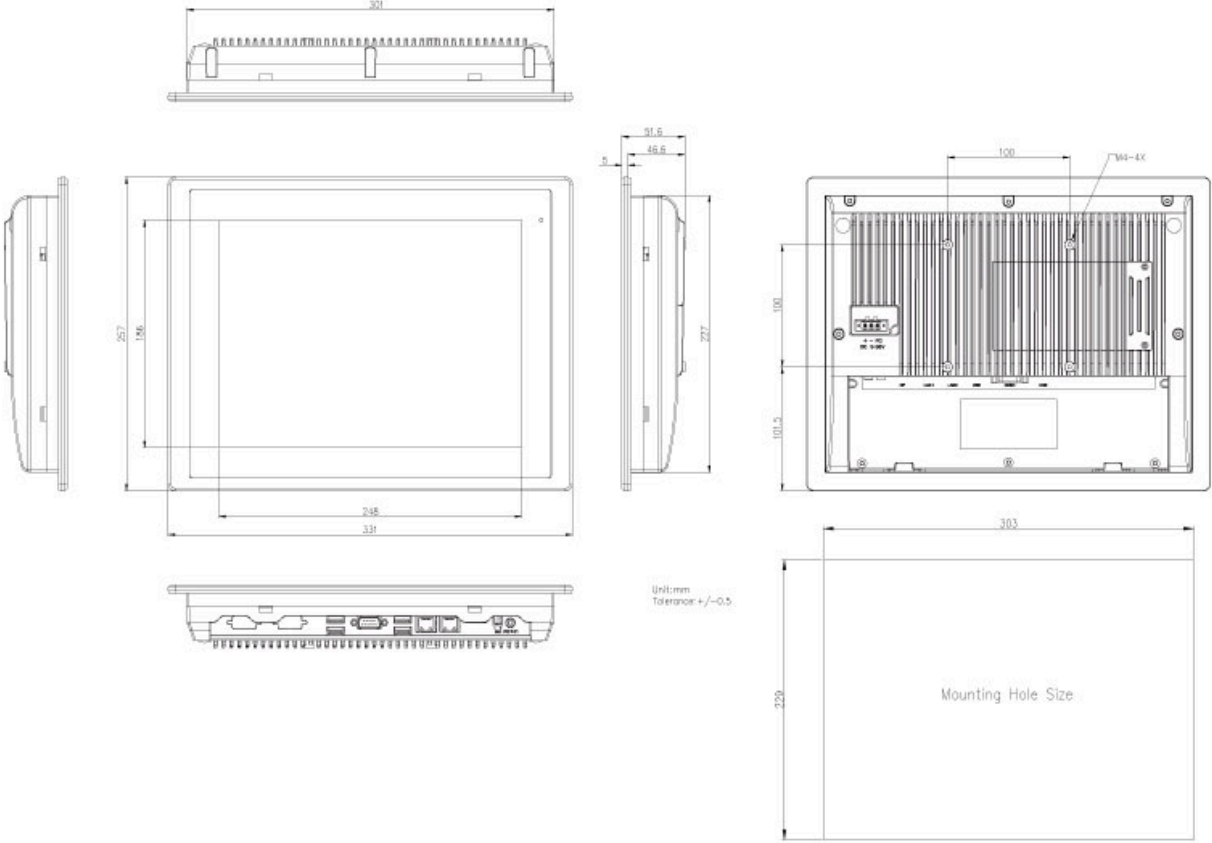
FABS-812BR	12.1" industrial panel PC, stainless steel front panel, resistive touch
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#### Accessories Order no.

ETHSWG5C	5-way Ethernet switch, Gigabit, unmanaged
ETHSWG8C1	8-port Ethernet switch, Gigabit, unmanaged
DRS4-24A	Power supply unit for DIN 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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