

## 12.1 inch Panel PC FABS-912BR



- 12.1" TFT LCD, 800 x 600 pixels
- resistive touch
- Processor: Intel® Core™ i3-8145UE / i5-8365UE
- IP66/IP69K-compliant front panel
- Fanless cooling system
- Horizontal viewing angle 176°, vertical 176°

<https://www.wachendorff-prozesstechnik.de/en/fabs-912br>

### 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:	56 W
Display:	12.1" TFT LCD
Resolution:	800 x 600 pixels (standard) 1024 x 768 pixels (optional)
Aspect ratio:	4:3
Brightness:	450 cd/m <sup>2</sup> (standard) 500 cd/m <sup>2</sup> (optional 1024 x 768 pixels) 1000 cd/m <sup>2</sup> (optional high-brightness LCD)
Backlight:	50,000 h (standard) 30,000 h (optional 1024 x 768 pixels) 50,000 h (optional high-brightness LCD) 70,000 h (optional high-brightness LCD with 1024 x 768 pixels)
Colors:	16.7 M (standard) 16.2 M (optional 1024 x 768 pixels) 16.7 M (optional high-brightness LCD) 16.2 M (optional high-brightness LCD with 1024 x 768 pixels)
Reading angle:	H: 176° / V: 176° (standard) H: 178° / V: 178° (optional 1024 x 768 pixels) H: 176° / V: 176° (optional high-brightness LCD) H: 178° / V: 178° (optional high-brightness LCD with 1024 x 768 pixels)

Touch screen:	resistive touch
Processor:	Intel® Core™ i3-8145UE (2.2 GHz) Intel® Core™ i5-8365UE (1.6 GHz)
RAM:	1 x 260-pin SO-DIMM up to 32GB DDR4 2400MHz
SSD/HDD:	1 x M.2 M-Key slot (supports PCIe/ SATA3; 2242/2280, standard 2242)
Interfaces:	USB: 4 x USB 3.0 type A Serial: 1 x DB-9 connection, including: 1 x RS-232 (RTS, Rx, Tx, CTS), pin 1 RTS/5V/12V selectable via jumper (COM1) 1 x RS-232 (Tx, Rx) / RS-422 / RS-485 (COM2) via Y-cable Ethernet: 2x GbE 10/100/1000 Base T (X), RJ45 Audio: 1 x audio output DP: 1 x DP 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) 1 x Nano SIM card holder
Housing:	SUS304 stainless steel front panel (standard) SUS316L stainless steel front panel (optional) Rear housing made of die-cast aluminum
Assembly:	Panel mounting, VESA mounting 100 x 100
Protection class:	IP66/IP69K (front)
Dimensions (WxHxD):	331 mm x 257 mm x 51.6 mm
Weight:	3.5 kg
Ambient conditions:	Operation: 0 °C to +50 °C ; -20 °C to +60 °C Storage: -30 °C to +70 °C 10% to 95 %r.h., non-condensing.
Certifications:	CE/FCC Class A EN 1672-2 certification for P model (optional)
Operating systems:	Windows® 10 IoT Windows® 11 IoT

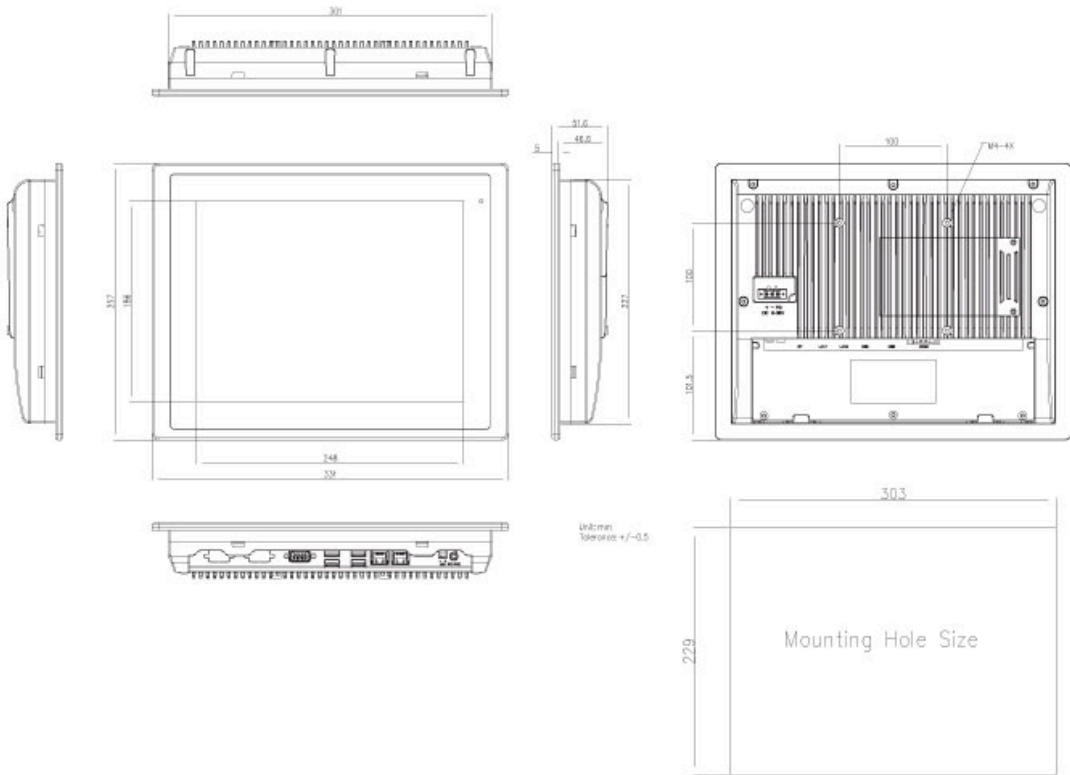
Options:	<p>VESA stand            4G LTE / Wi-Fi 4/5/6+ / Bluetooth            4 x USB 2.0 type A (TB-528U4)            4 x USB 2.0 type A + 1 x Mini-PCIe + 1 x SIM slot (TB-528U4ME1)            2 x COM (RS-232) (TB-528C2)            1 x COM (RS-232) + 2 x USB 2.0 (TB-528C1U2)            1 x COM (RS-232) + 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 (TB-528E1U2)            1 x LAN (45 W isolated PoE PD) + 2 x USB 2.0 type A (TB-528E1U2UPOE)*            Backup battery 21 W / 10.8 V / 1.95 Ah (3S1P)            (TB-528 series or backup battery can only be used individually)</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-912BR	12.1" 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 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) and STEP file/viewer:**





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