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

- 12.1" TFT-LCD, 800 x 600 pixels (optional 1024 x 768 pixels)
- projected capacitive touch
- Processor: Intel® Celeron® N2930 (1.83 GHz)
- IP66/IP69K-compliant front panel
- EN 1672-2 certification (optional)
- Fanless cooling system
- Reading angle horizontal 178°, vertical 178°

**https://www.wachendorff-prozesstechnik.de/en/FABS-812P**

## Description

The FABS-8 series is based on an Intel® Celeron® N2930 1.83 GHz processor. The DIN EN-1672-2 certified industrial panel PCs in this series, which are therefore suitable for food production, are available in display sizes from 7" to 21.5" and are optionally equipped with touch. The projected capacitive touch enables multi-touch operation. 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. In addition, expansion cards can be integrated for additional interfaces, RFID or even the supply of the panel PC via Power over Ethernet (POE).
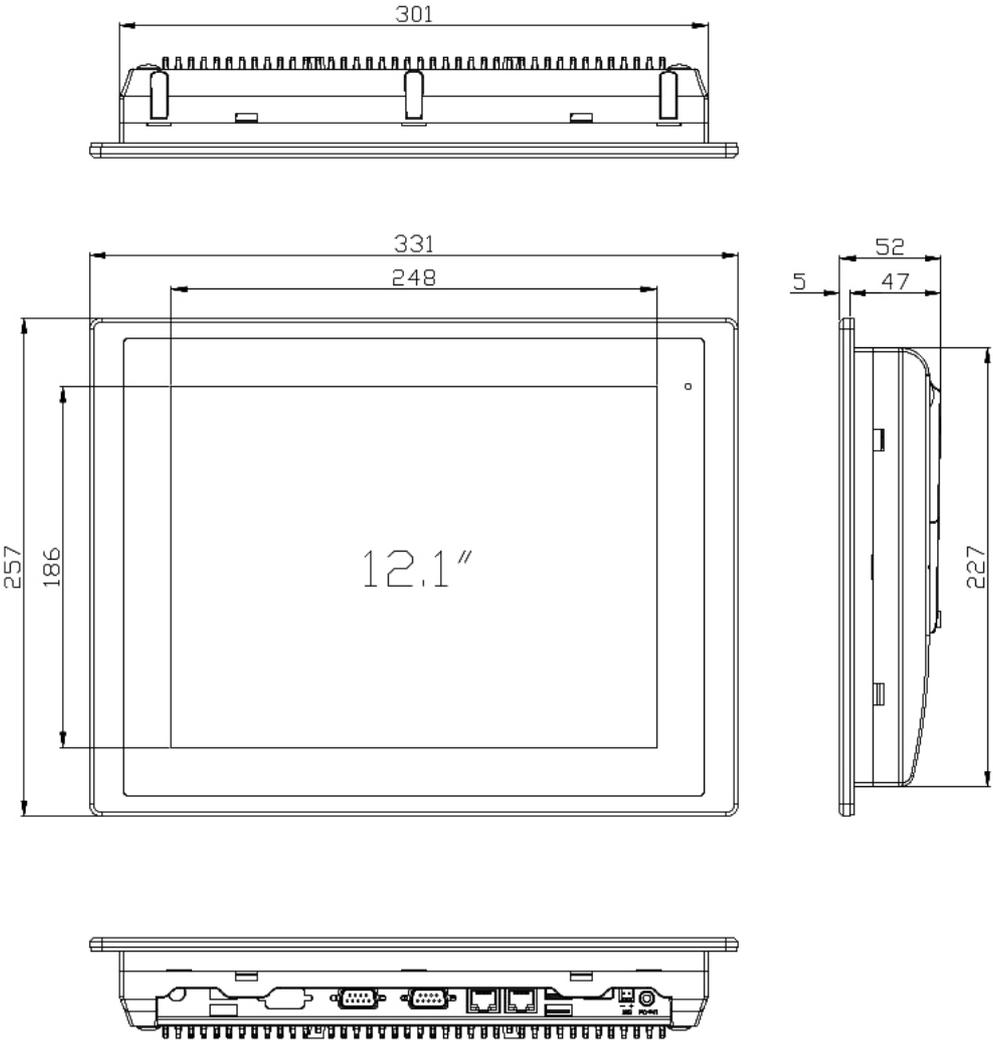
## Product details

| | |
|---|---|
| Power supply: | 9 VDC to 36 VDC |
| Power consumption: | max. 29 W |
| Display: | 12.1" TFT LCD |
| Resolution: | 800 x 600 pixels<br>1024 x 768 pixels (optional high-brightness LCD) |
| Aspect ratio: | 4:3 |
| Brightness: | 450 cd/m²<br>500 cd/m² (optional 1024 x 768 pixels)<br>1000 cd/m² (optional high-brightness LCD) |
| Colors: | 16.2 million<br>262 thousand (with optional high-brightness LCD with 800 x 600 pixels) |
| Reading angle: | H: 178° / V: 178°<br>H: 160° / V: 140° (optional 1024 x 768 pixels) |
| Backlight: | 40.000 h<br>50,000 h (optional high-brightness LCD) |
| Touch screen: | Projected capacitive touch |
| Processor: | Intel® Celeron® N2930 (1.83 GHz) |
| RAM: | 4 GB DDR3L 1600 MHz onboard |
| SSD/HDD: | 1 x SATA2 2.5" |

| | |
|---|---|
| Interfaces: | USB: 2 x USB 3.0 type A<br>Serial: COM1: RS232 / RS422 / RS485; COM2: RS232<br>Ethernet: 2x GbE 10/100/1000 Base T (X), RJ45<br>Audio: 3.5 mm jack<br>Power supply: pluggable 3-pin terminal strip<br>On/off switch: optional plug-in 2-pin terminal strip, see accessories IPC_DIO_2P |
| Expansion slots | 1 x Mini PCIe full height (internal)<br>1 x SD card slot (internal) |
| Housing: | Die-cast aluminum<br>Stainless steel front panel (type 304, optionally 316) |
| Assembly: | VESA 100 x 100; panel mounting |
| Protection class: | IP66/IP69K (front) |
| Dimensions (WxHxD): | 331 mm x 257 mm x 52 mm |
| Weight: | approx. 2.5 kg |
| Ambient conditions: | Operation: 0 °C to +50 °C ;<br>Storage: -30 °C to +70 °C<br>10% to 90 %.rH, non-condensing. |
| Certifications: | CE/FCC Class A<br>EN 1672-2 certification (optional) |
| Operating systems: | Windows® 10 IoT<br>Linux |

| Options: | VGA |
| --- | --- |
| | HDMI |
| | |
| | 4 x USB 2.0 |
| | 2 x USB 2.0 + 1 x COM (RS-232) |
| | 2 x USB 2.0 + 1 x COM (RS-232) + 1 x power button |
| | 2 x USB 2.0 + 1 x COM (RS-232) + 1 x power button + 1 x Mini PCIe + 1 x SIM card slot |
| | 2 x USB 2.0 + 1 x Mini PCIe + 1 x SIM card slot |
| | 2 x USB 2.0 + 1 x LAN |
| | 2 x USB 2.0 + 1 x LAN + 1 x 30 W POE |
| | 2 x USB 2.0 + 2 x CAN + 1 x Mini PCIe + 1 x SIM card slot |
| | 2 x COM (RS-232) |
| | 2 x COM (RS-232) + 1 x Mini PCIe + 1 x SIM card slot |
| | 2 x COM (RS-232/RS-485, isolated) |
| | |
| | WLAN 2.4GHz, BT4 |
| | WLAN 2.4GHz, 5GHz, BT4 |
| | |
| | Optical bonding |
| | High Brightness Display |
| | Smart Battery |
| | |
| | |
| | Extended temperature range -20°C to +60°C |
| Scope of delivery: | Device |
| | 1 x power supply unit |
| | 1 x mounting material |
| Customs tariff number: | 84715000 |
| Manufacturer: | Aplex Technology Inc. |

**Drawings**

**Dimensions 01 (mm):**

301

331
248

257
186

12.1"

52
5
47

227

UNIT: mm
Tolerance: ±0.5

**Drawings**

**Dimensions 02 (mm):**



4-M4

100

100

101

303

229

Mounting Hole Size

USB  LAN 1  LAN 3  COM 1  COM 2

+ - FG
DC 9-36V
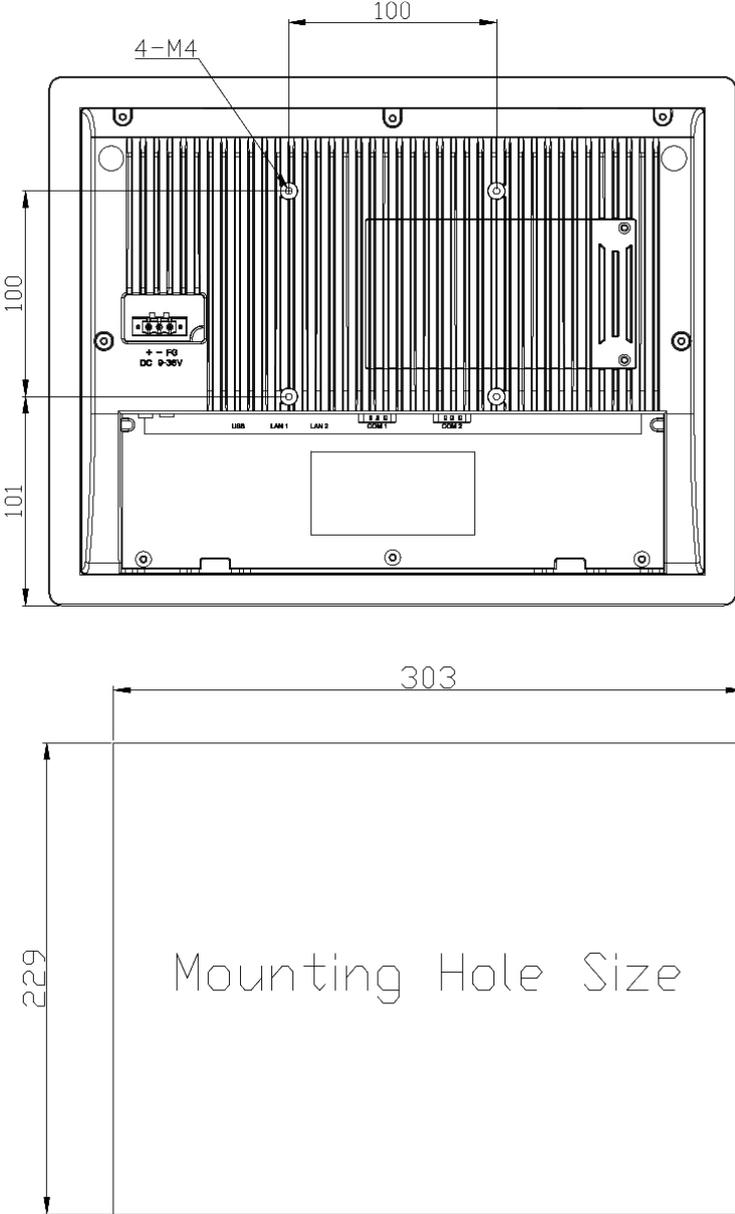
Wachendorff Prozesstechnik GmbH & Co. KG
Industriestrasse 7 • 65366 Geisenheim
Germany

Phone: +49 (0) 67 22 / 99 65 - 20
E-Mail: wp@wachendorff.de
www.wachendorff-prozesstechnik.de