

## 21.5 inch Panel PC FABS-821G suitable for food production



- 21.5" TFT-LCD, 1920 x 1080 pixels
- without touch function
- Processor: Intel® Celeron® N2930 (1.83 GHz)
- EN 1672-2 certification (optional)
- IP66/IP69K-compliant front panel
- Fanless cooling system
- Reading angle horizontal 178°, vertical 178°

<https://www.wachendorff-prozesstechnik.de/en/FABS-821G>

### Description

The FABS-8 series is based on an Intel® Celeron® N2930 1.83 GHz processor. 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 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).

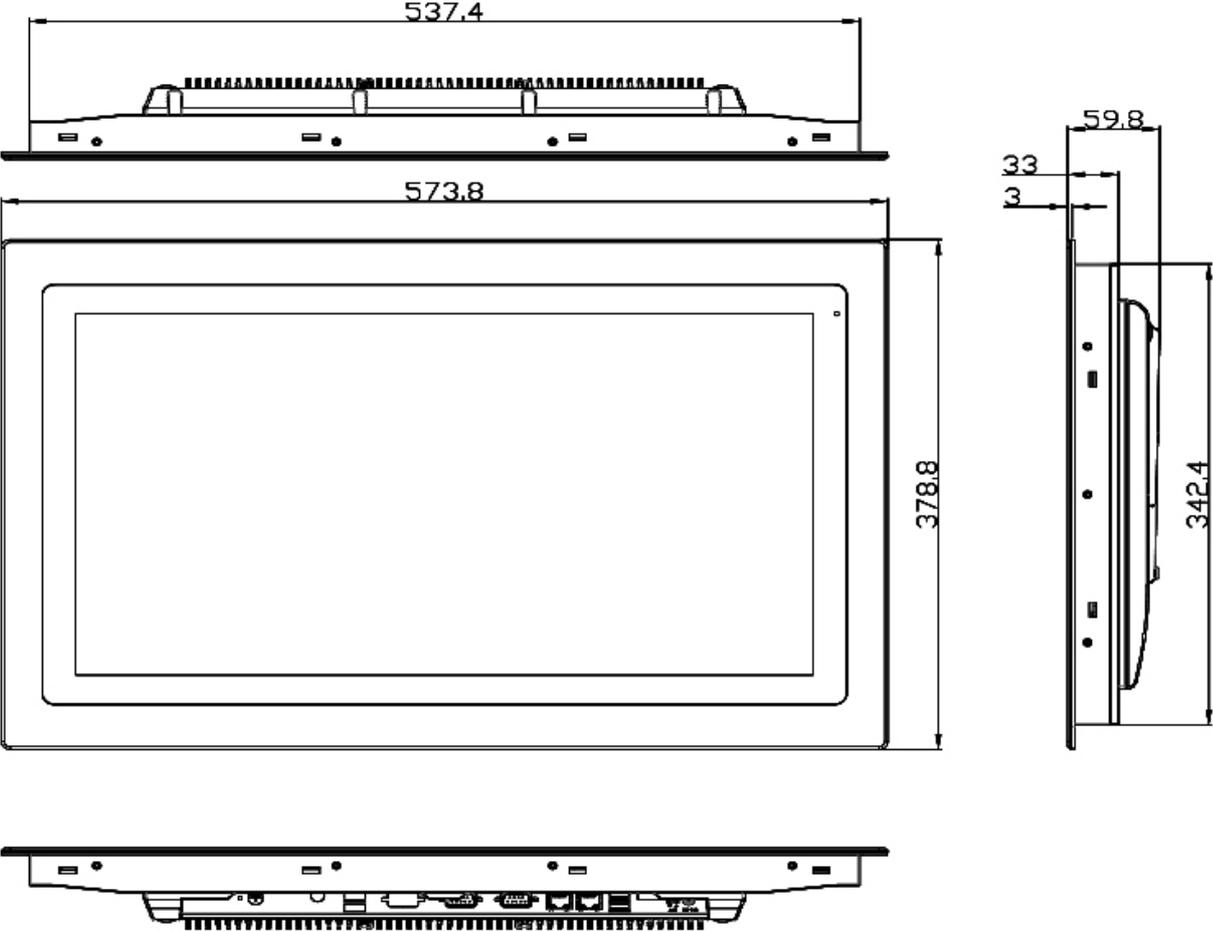
### Product details

Power supply:	9 VDC to 36 VDC
Power consumption:	max. 40 W
Display:	21" TFT-LCD
Resolution:	1920 x 1080 pixels
Aspect ratio:	16:9
Brightness:	250 cd/m <sup>2</sup> 1000 cd/m <sup>2</sup> (optional high-brightness LCD)
Colors:	16.7 million
Reading angle:	H: 178° / V: 178°
Backlight:	30.000 h 50,000 h (optional high-brightness LCD)
Touch screen:	without touch function
Processor:	Intel® Celeron® N2930 (1.83 GHz)
RAM:	4 GB DDR3L 1600 MHz onboard
SSD/HDD:	1x SATA2 2.5"
Interfaces:	USB: 2 x USB 3.0 type A Serial: COM1: RS232 / RS422 / RS485; COM2: RS232 Ethernet: 2x GbE 10/100/1000 Base T (X), RJ45 Audio: 3.5 mm jack Power supply: pluggable 3-pin terminal strip On/off switch: optional plug-in 2-pin terminal strip, see accessories IPC_DIO_2P
Expansion slots	1 x Mini PCIe full height (internal) 1 x SD card slot (internal)

Housing:	Die-cast aluminum Stainless steel front panel (type 304, optionally 316)
Assembly:	VESA 100 x 100; panel mounting
Protection class:	IP66/IP69K (front)
Dimensions (WxHxD):	573.8 mm x 378.8 mm x 59.8 mm
Weight:	approx. 7.8 kg
Ambient conditions:	Operation: 0 °C to +50 °C ; (0 °C to +40 °C for high-brightness LCD) Storage: -30 °C to +70 °C 10% to 90 %rH, non-condensing.
Certifications:	CE/FCC Class A EN 1672-2 certification (optional)
Operating systems:	Windows® 10 IoT 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 45 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
Scope of delivery:	Device 1 x power supply unit 1 x mounting material
Customs tariff number:	84715000
Manufacturer:	Aplex Technology Inc.

Drawings

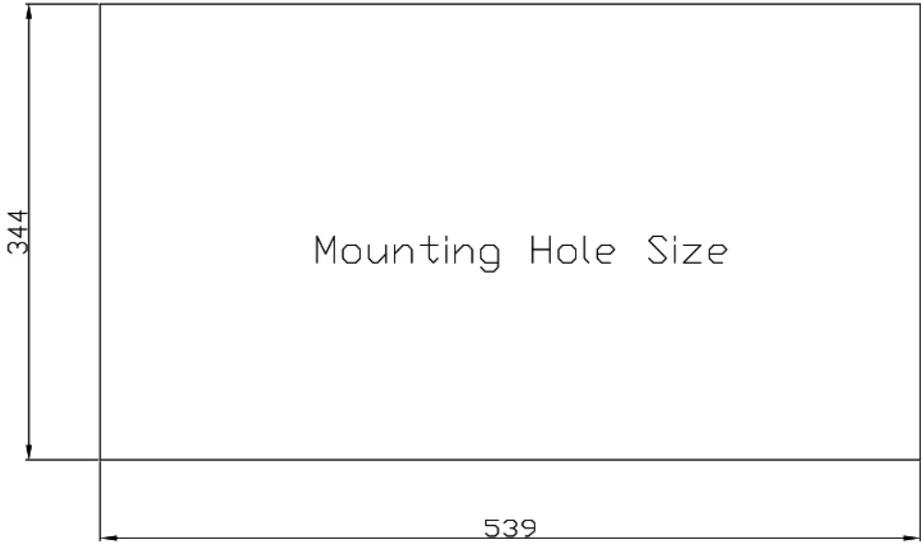
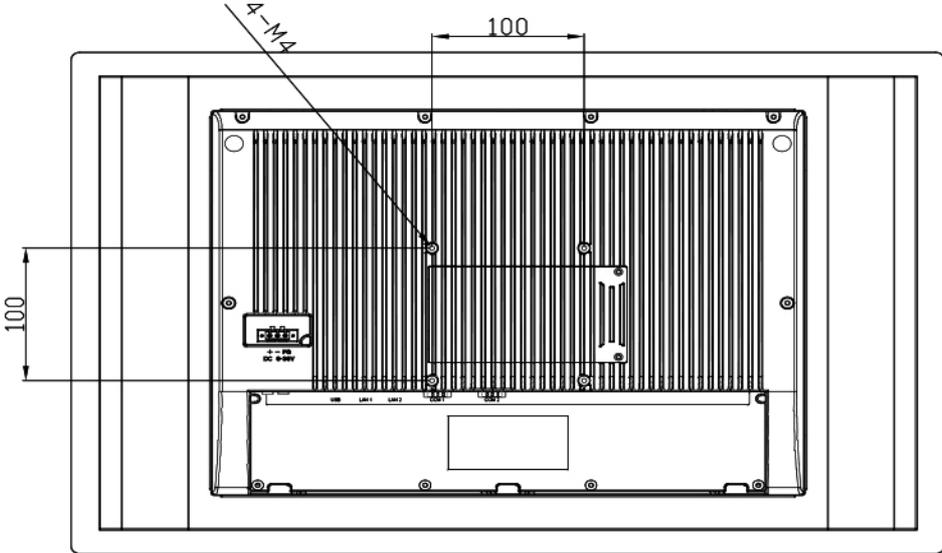
Dimensions 01 (mm):



UNIT: mm  
Tolerance: ±0.5

**Drawings**

**Dimensions 02 (mm):**





Wachendorff Prozesstechnik GmbH & Co. KG  
Industriestrasse 7 • 65366 Geisenheim  
Germany

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

