

21.5" Panel-PC with integrated function keys ABOS-921CP CNC aluminum front, stainless steel rear housing



- 21.5" TFT LCD, 1920 x 1080 pixels
- Projected capacitive touch
- Processor: Intel 11th generation (Tiger Lake-UP3) processors
- Fully IP65 protected
- Flush frame design
- Fanless cooling system
- Reading angle: horizontal 178°, vertical 178°

<https://www.wachendorff-prozesstechnik.de/en/abos-921cp>

Description

ABOS-9CP series - Industrial Panel-PC with 11th generation Intel® Core™ i processor

The ABOS-9CP series is based on powerful 11th generation Intel® Core™ i processors and offers sufficient computing power for medium to demanding industrial applications. The RAM can be expanded to up to 64 GB, making it easy to implement even complex projects such as SCADA or IIoT monitoring and control applications. The devices are available in 15.6" and 21.5" display sizes and are equipped exclusively with projected capacitive touchscreens, which enable precise operation and multi-touch functionality. Integrated colored control buttons are located on the side of the device: Green (Start), Red (Stop), Blue (Reset) as well as optional black buttons or a key switch, which enable direct and intuitive operation.

Product details

Power supply:	9 VDC to 36 VDC
Power consumption:	44
Display:	21.5" TFT LCD
Resolution:	1920 x 1080 pixels 1920 x 1080 pixels (optional high brightness)
Aspect ratio:	16:9
Brightness:	250 cd/m² 1000 cd/m² (optional high brightness)
Backlight:	50,000 h 50,000 h (optional High Brightness)
Colors:	16.7 M 16.7 M (optional High Brightness)
Contrast:	1000:1 1000:1 (optional High Brightness)
Reading angle:	H: 178° / V: 178° H: 174° / V: 174° (optional High Brightness)
Touch screen:	Projected capacitive touch
Processor:	Intel 11th generation (Tiger Lake-UP3) processors i3-1115G4E (2 cores, 2.2 GHz), standard i5-1145G7E (4 cores, 1.5 GHz), optional
RAM:	2 x DDR4-3200 MHz SO-DIMM slots, up to 64 GB

SSD/HDD:	1 x M.2 2280 M-Key slot (PCIe x4) for PCIe/NVMe SSD
System chipset:	SoC
TPM:	TPM 2.0
Interfaces:	USB: 4 x USB 3.2 Gen 2 Type-A, 1 x USB 3.2 Gen 2 Type-C Serial: 1 x COM1 (RS-232/422/485, standard), 1 x COM2 (RS-232/422/485, supports 5 V/12 V/RI, optional) Ethernet: 1 x Intel i219LM, RJ45 GbE LAN and 1 x Intel i225LM, RJ45 2.5 GbE LAN Display outputs: 2 x DP 1.4a, 1 x HDMI 2.0b Power supply: 1 x 3-pin Phoenix connector for DC power, 1 x power button with light
Front interfaces and buttons:	Function buttons: 1 x emergency stop button (standard) Standard: 1 x blue (reset) / 1 x red (stop) / 1 x green (start) Optional: 3 x black (freely assignable) / 1 x key switch USB: 1 x USB 2.0 Type-A
Expansion slots:	1 x full-size mSATA/mPCIe slot (standard: mPCIe, selectable via BIOS) 1 x M.2 2230 E-Key slot for Wi-Fi/BT module 1 x Nano-SIM card slot
Housing:	Front panel: CNC-milled aluminum Rear housing: 316L stainless steel
Assembly:	Swivel arm support for Rittal CP-40
Protection class:	Fully IP65 protected
Weight:	17.5 kg
Dimensions (WxHxD):	545.80 x 418 x 162mm
Ambient conditions:	Operation: 0 °C to +50 °C Storage: -30 °C to +70 °C 10 to 90 %@ 40°C r.h., non-condensing.
Certifications:	CE/FCC Class A/UKCA
Operating systems:	Windows® 10 IoT Windows® 11 IoT

Scope of delivery:	Device 1 x M12 power supply unit 1 x M12 USB cable (1x M12 to 2x USB 2.0)
Customs tariff number:	84715000
Manufacturer:	Aplex Technology Inc.

Products Order no.

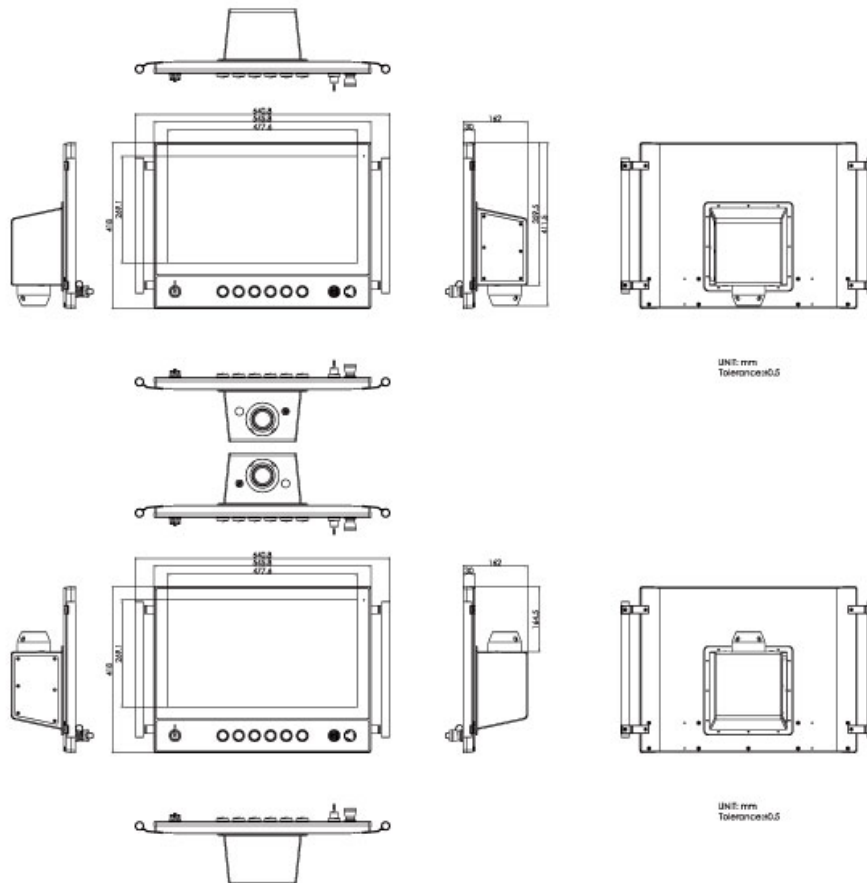
ViTAM-916DP	15.6" industrial panel PC, stainless steel housing, projected capacitive touch
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Accessories Order no.

KH-ABOS	Keyboard holder
LRH-ABOS	Left- Right Handle

Drawings

Dimensions (mm):





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