21.5 inch Panel PC ARCHMI-921P

WACHENDORFF
Prozesstechnik GmbH & Co. KG

- 21.5" HD1080 TFT LCD graphics display 1920 x 1080 pixels
- Processor: Intel® Core™-i3-4010U (1.7 GHz)
- Die-cast aluminum housing
- Flush frame design, IP66 front side
- Fanless cooling system
- Horizontal viewing angle 178°, vertical 178°

https://www.wachendorff-prozesstechnik.de/en/archmi-921p

Description

The ARCHMI-9 series is based on Intel Core-i processors

This very powerful and efficient processor family provides sufficient computing power for medium and large applications. The RAM can be expanded to up to 8 GB, enabling more extensive projects such as SCADA or IIoT monitor control applications. The Panel PCs in this series are available in display sizes ranging from 12.1" to 32", with a choice of projected capacitive or resistive touch. The projected capacitive touch enables multi-touch operation with a corresponding operating system. If pressure-sensitive operation is required (e.g. with gloves), the resistive touch is the right choice. The front panels are absolutely flush with the die-cast aluminum housing. The housing is IP66 rated. The unique fanless thermal design of the die-cast aluminum housing enables effective temperature control. The ARCHMI IPC can be optionally equipped with a high-brightness LCD and/or optical bonding for an outstanding display, even under difficult conditions. Expansion cards for additional interfaces or WLAN can also be integrated.

Product details

Power supply:	9 VDC to 36 VDC
Power consumption:	max. 53 W
Display:	21.5" TFT LCD
Resolution:	1920 x 1080 pixels
Aspect ratio:	16:9
Brightness:	250 cd/m²
Colors:	16,7 M
Reading angle:	H: 178° / V: 178°
Touch screen:	projects capacitively
Processor:	Intel® Core™i3-4010U (1.7 GHz) Intel® Core™i5-4310U (up to 3 GHz)
RAM:	4 GB DDR3L 1600 MHz onboard
SSD/HDD:	1x SATA2 2.5"
Additional memory:	1x SD card slot up to 32 GB.
Interfaces:	USB: 2x USB 3.0 type A Serial: COM1: RS232 / RS422 / RS485; COM2: RS232 Ethernet: 2x GbE 10/100/1000 Base T (X), RJ45 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 half-height (internal) Audio: 3.5 mm jack

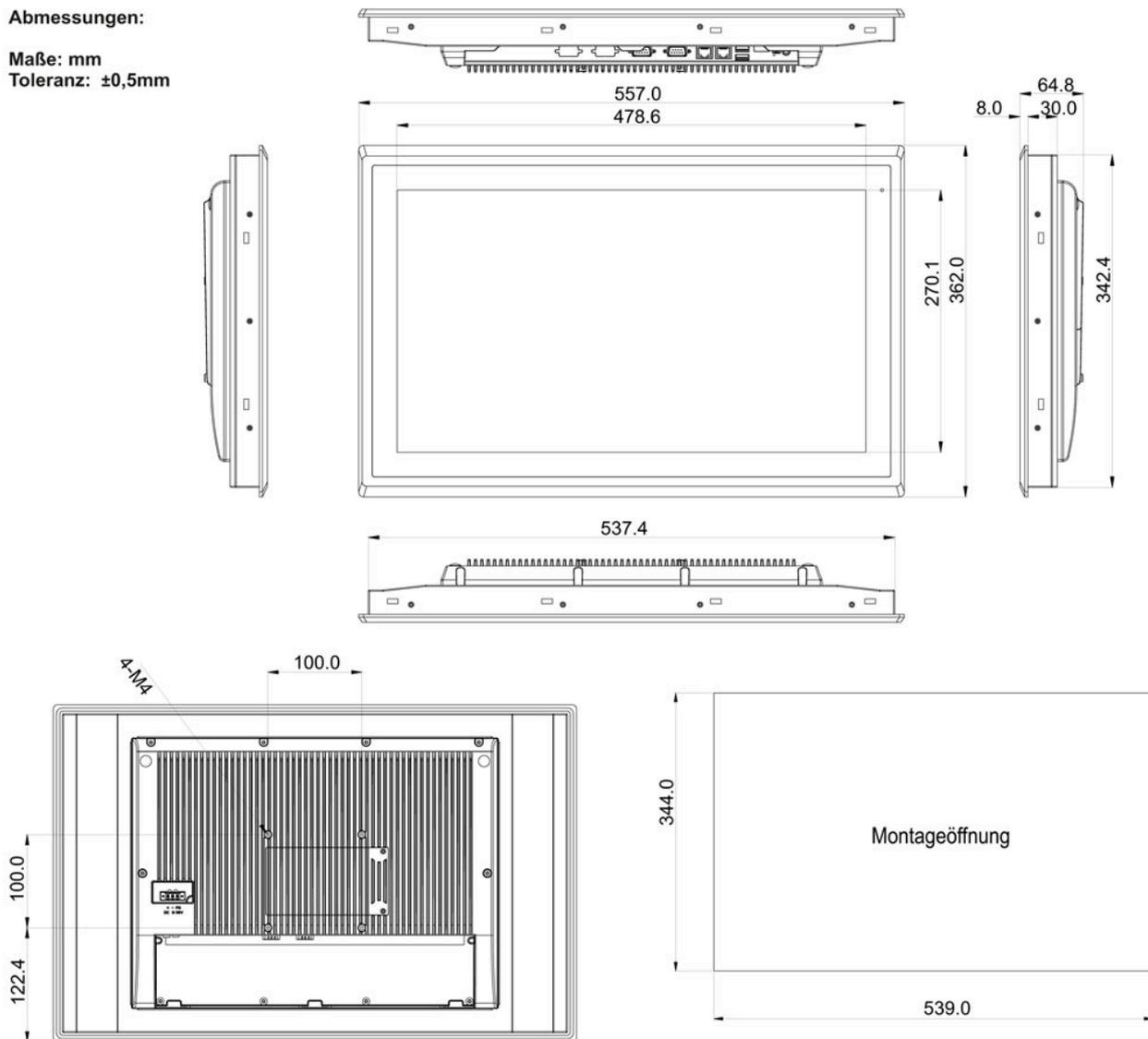|	
Housing:	Die-cast aluminum
Assembly:	VESA 100 x 100; panel mounting
Protection class:	IP66 on the front
Weight:	approx. 7.5 kg
Ambient conditions:	Operation: 0 °C to +50 °C Storage: -30 °C to +70 °C 10 % to 90 %.rH, non-condensing
Certifications:	CE/FCC Class A, CB, UL
Operating systems:	Windows 7 Professional for Embedded Systems (FES) 32 Bit Windows 7 Ultimate for Embedded Systems (FES) 32 Bit Windows 7 Professional for Embedded Systems (FES) 64 Bit Windows 7 Ultimate for Embedded Systems (FES) 64 Bit Windows Embedded Standard 7 (P) Windows® Embedded 8.1 Industry Pro (ESD) 32 Bit Windows® Embedded 8.1 Industry Pro (ESD) 64 bit Windows 10 IoT Enterprise 2015 (ESD) 32 bit Windows 10 IoT Enterprise 2015 (ESD) 64 bit Windows 10 IoT Enterprise LTSB 2016 (ESD) (for i3/i5)
Options:	VGA HDMI 2 x USB 2.0 2 x USB 2.0 + 1x LAN 2 x USB 2.0 + 1x COM 2 x USB 2.0 + 1x HDMI 2 x USB 2.0 + 1x COM + 1x Power Switch + 1x Mini PCIe slot full size 2 x COM 2 x CAN (on request) WLAN 2.4GHz ,BT4 WLAN 2.4GHz, 5GHz, BT4 Optical bonding High Brightness Display Smart Battery
Scope of delivery:	Device 1 x seal 1 x Mounting material 1 x plug-in power supply unit
Manufacturer:	Aplex Technology Inc.

Drawings

Dimensions (mm):

Abmessungen:

Maße: mm
Toleranz: ±0,5mm

557.0
478.6
270.1
362.0
64.8
8.0
30.0
342.4
537.4

4-M4
100.0
100.0
122.4

344.0
Montageöffnung
539.0

Downloads / FAQ

The following files could be downloaded from our website directly from this product under the tab "Drawings":

2D drawing Panel-PC ARCHMI-921

Panel-PC-ARCHMI-X21.dwg

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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