

## 12.1 inch Panel PC ARCHMI-812



- 12.1" SVGA TFT LCD graphic display 800 x 600 pixels
- OPTION: XGA 1024 x 768 pixels
- Intel® Celeron® N2930 (1.83 GHz) / Intel® Atom® E3845 (1.91 GHz)
- Die-cast aluminum housing
- Flush frame design, IP66 front side
- Fanless cooling system
- Reading angle horizontal 160°, vertical 140

<https://www.wachendorff-prozesstechnik.de/en/archmi-812>

### Description

The ARCHMI-8 series is based on an Intel® Celeron® N2930 (1.83 GHz) or Intel® Atom® E3845 (1.91 GHz) processor.

The industrial panel PCs in this series are available in display sizes from 7" to 21.5", with either 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. In addition, expansion cards can be integrated for additional interfaces, WLAN or even the supply of the panel PC via Power over Ethernet (POE). This high-performance yet highly energy-efficient processor family is used, for example, in factory automation, remote data acquisition and the most common industrial applications.

### Product details

Power supply:	9 VDC to 36 VDC
Power consumption:	max. 29 W
Display:	12.1" TFT LCD
Resolution:	800 x 600 pixels Option: 1024 x 768 pixels (capacitive touch only)
Aspect ratio:	4:3
Brightness:	450 cd/m <sup>2</sup>
Colors:	16,2 M
Reading angle:	H: 160° / V: 140°
Touch screen:	resistive
Processor:	Intel® Celeron® N2930 (1.83 GHz) Intel® Atom® E3845 (1.91 GHz)
RAM:	4 GB / 8 GB DDR3L 1333 MHz onboard
SSD/HDD:	1x SATA2 2.5"
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) 1 x SIM card slot 1 x micro SD card reader Audio: 3.5 mm jack
Housing:	Die-cast aluminum
Assembly:	VESA 100 x 100; panel mounting
Protection class:	IP66 on the front
Weight:	approx. 2.5 kg
Ambient conditions:	Operation: 0 °C to +50 °C Storage: -30 °C to +70 °C 10 % to 90 %r.H, non-condensing
Certifications:	CE/FCC Class A, CB, UL
Operating systems:	Windows®10 IoT Linux
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 + 1x LAN* Power over Ethernet (PoE) 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  4G LTE  Optical bonding High Brightness Display High Resolution (12" Upgrade to XGA LCD) Smart Battery  Extended temperature range WT1 -20°C to +60°C Extended temperature range WT2 -20°C to +70°C
Scope of delivery:	Device 1 x Mounting material 1 x plug-in power supply unit
Customs tariff number:	84715000
Manufacturer:	Aplex Technology Inc.

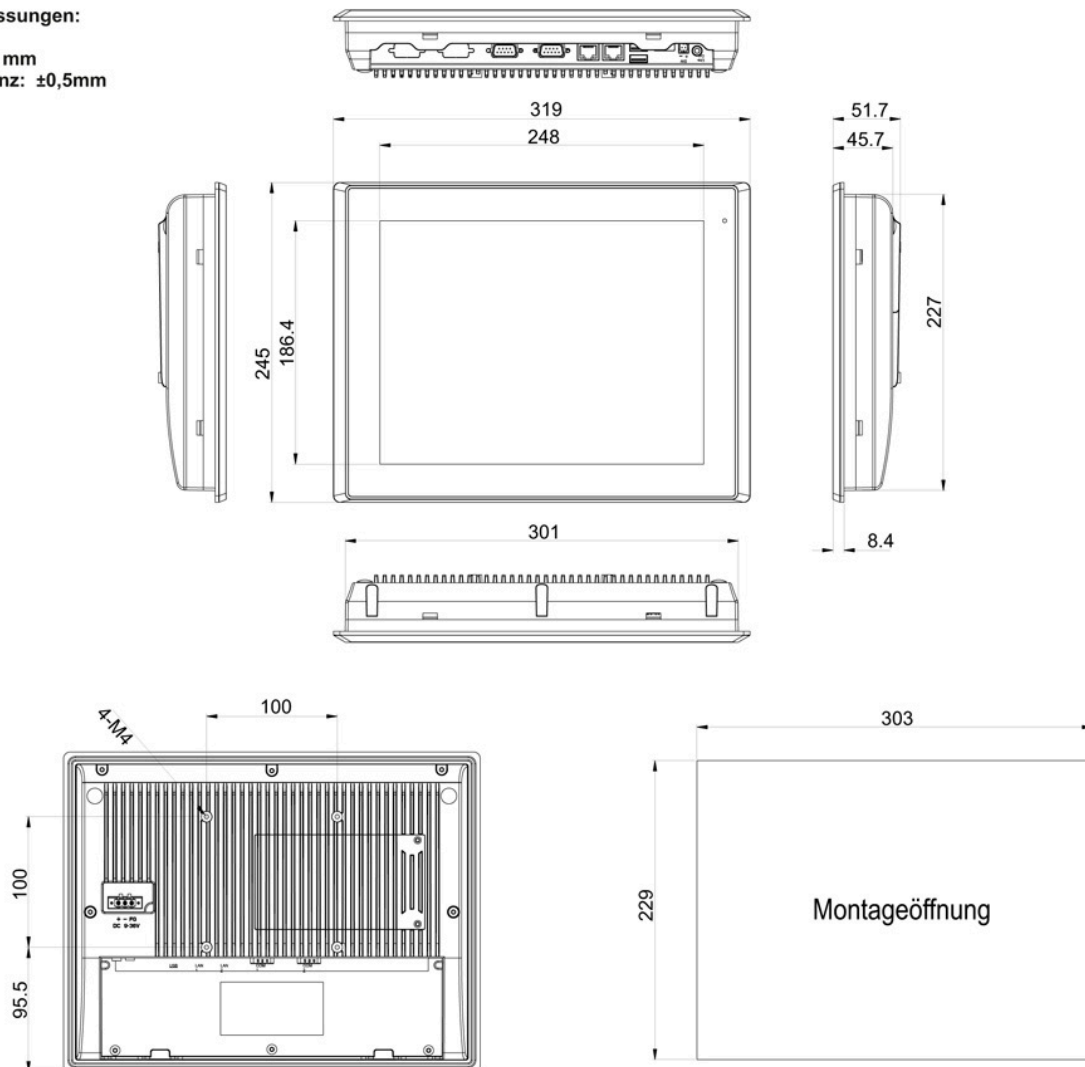
**Drawings**

**Dimensions (mm):**

**Abmessungen:**

**Maße: mm**

**Toleranz: ±0,5mm**



**Downloads / FAQ**

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

**2D drawing Panel PC ARCHMI-812**

Panel-PC-ARCHMI-X12.dwg



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