

## 15.6 inch Panel PC ARCHMI-816



- 15.6" WXGA TFT LCD graphics display 1366 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 160°

<https://www.wachendorff-prozesstechnik.de/en/archmi-816>

### 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. 32 W                                                                                                                                                                                                                                                          |
| Display:           | 15.6" TFT LCD                                                                                                                                                                                                                                                      |
| Resolution:        | 1366 x 768 pixels                                                                                                                                                                                                                                                  |
| Aspect ratio:      | 16:9                                                                                                                                                                                                                                                               |
| Brightness:        | 300 cd/m <sup>2</sup>                                                                                                                                                                                                                                              |
| Colors:            | 16,7 M                                                                                                                                                                                                                                                             |
| Reading angle:     | H: 160° / V: 160°                                                                                                                                                                                                                                                  |
| Touch screen:      | resistive                                                                                                                                                                                                                                                          |
| Processor:         | Intel® Celeron® N2930 (1.83 GHz)<br>Intel® Atom® E3845 (1.91 GHz)                                                                                                                                                                                                  |
| RAM:               | 4 GB / 8 GB DDR3L 1333 MHz onboard                                                                                                                                                                                                                                 |
| SSD/HDD:           | 1x SATA2 2.5"                                                                                                                                                                                                                                                      |
| Housing:           | Die-cast aluminum                                                                                                                                                                                                                                                  |
| Interfaces:        | USB: 2x 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>Power supply: pluggable 3-pin terminal strip<br>On/off switch: optional plug-in 2-pin terminal strip, see accessories<br>IPC_DIO_2P |

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|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Expansion slots:       | 1 x Mini PCIe half-height (internal)<br>1 x SIM card slot<br>1 x micro SD card reader<br>Audio: 3.5 mm jack                                                                                                                                                                                                                                                                                          |
| Assembly:              | VESA 100 x 100; panel mounting                                                                                                                                                                                                                                                                                                                                                                       |
| Protection class:      | IP66 on the front                                                                                                                                                                                                                                                                                                                                                                                    |
| Weight:                | approx. 4.8 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, CB, UL                                                                                                                                                                                                                                                                                                                                                                               |
| Operating systems:     | Windows® 10 IoT<br>Linux                                                                                                                                                                                                                                                                                                                                                                             |
| Options:               | VGA<br>HDMI<br><br>2 x USB 2.0<br>2 x USB 2.0 + 1x LAN<br>2 x USB 2.0 + 1x COM<br>2 x USB 2.0 + 1x HDMI<br>2 x USB + 1x LAN* Power over Ethernet (PoE)<br>2 x USB 2.0 + 1x COM + 1x Power Switch + 1x Mini PCIe slot full size<br>2 x COM<br>2 x CAN (on request)<br><br>WLAN 2.4GHz ,BT4<br>WLAN 2.4GHz, 5GHz, BT4<br><br>4G LTE<br><br>Optical bonding<br>High Brightness Display<br>Smart Battery |
| Scope of delivery:     | Device<br>1 x Mounting material<br>1 x plug-in power supply unit                                                                                                                                                                                                                                                                                                                                     |
| Customs tariff number: | 84715000                                                                                                                                                                                                                                                                                                                                                                                             |
| Manufacturer:          | Aplex Technology Inc.                                                                                                                                                                                                                                                                                                                                                                                |

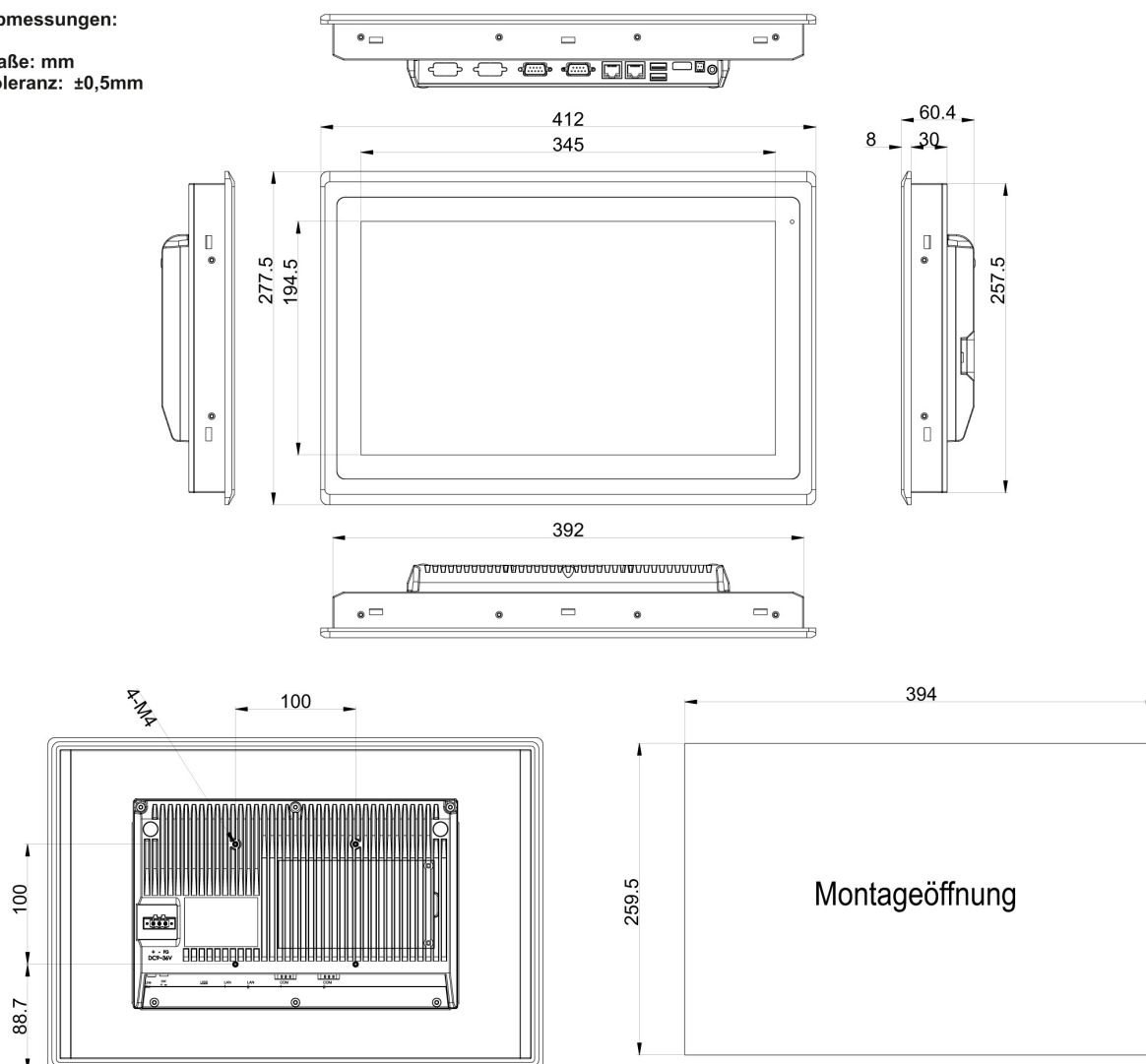
## Drawings

### Dimensions (mm):

#### Abmessungen:

Maße: mm

Toleranz:  $\pm 0,5\text{mm}$



## Downloads / FAQ

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

### 2D drawing Panel PC ARCHMI-816

Panel-PC-ARCHMI-X16.dwg



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