Panel PC

APC-1011
CATALOG

For your safety, read and follow the considerations written in the instruction manual, other manuals and Autonics website.
The specifications, dimensions, etc. are subject to change without notice for product improvement. Some models may be discontinued without notice.

Features

- Familiar to user with the Microsoft Windows 10 OS
- Equipped with Quad core processor
- Fan less type with low noise, low heat and no need to replacing fan component
- Equipped with 10 inch wide IPS TFT LCD of 16,777,216 colors for realizing True color
- Possible to be touched with not only hand but also glove, pen tip or etc. with resistive type touch screen
- Lesser restrictions on place with display and system all-in-one panel PC
- Supporting various types of interface
  : HDMI, USB, VGA, Ethernet, Audio, Serial (RS232C / RS485 / RS422)
- Various methods of installation
  : installing on panel, installing with holder (VESA standard 100 × 100 mm)

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Product Components

- Product
- Mold bracket
- M3 bolt for mold bracket × 2
- Instruction manual
- Bracket × 8

Specifications

Model	APC-1011
Screen size	10.1 inch
LCD type	IPS TFT Color LCD
Resolution	WXGA 1280 × 800 pixel
Contrast	16:10
Display area	216.96 × 135.6 mm
Display color	16,777,216 color
LCD view angle (top/bottom/left/right)	Within 85° of each
Backlight	White LED
Backlight MTBF	50,000 hrs (LED Backlighting)
Luminance	350 cd/m^2
Touch	Resistive type
CPU	Integrated Intel®J3160/1.6 GHz Quad core processor, TDP 6 W
OS	Windows 10 IoT Enterprise Entry (64 bit)
Hard disk	mSATA 64 GB SSD
System memory	DDR3L 4 GB
Indicator	Power indicator (green)
Speaker	Stereo speaker 2 W + 2 W
Watch dog timer	Watch dog timer (1 to 255 seconds, software setting)
Battery life cycle	5 years at 25°C
Real-time controller	RTC embedded
Language	Korean, English
Approval	CE IC EHC
Unit weight (packaged)	≈ 1.6 kg (≈ 2 kg)

Serial interface	1 RS232C / RS422 / RS485 × 1 (jumper pin setting)
USB interface	USB 3.0 HOST × 1, USB 2.0 HOST × 2
Ethernet interface	Gigabit Ethernet × 2 (10/100/1000Base-T)
HDMI interface	1
VGA	1
Audio	1

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Power supply	24 VDC⎓
Alloable voltage range	90 to 110 % of power supply
Power consumption	≤ 30 W
Insulation resistance	≥ 100 MΩ (500 VDC⎓ megger)
Ground	3rd ground (≤ 100 Ω)
Noise immunity	±0.5 kV square wave noise (pulse width: 1 μs) by the noise simulator
Dielectric strength	500 VAC∼ 50/60 Hz for 1 minute
Vibration	0.75 mm double amplitude at frequency of 10 to 55Hz (for 1 minute) in each X, Y, Z direction for 1 hour
Vibration (malfunction)	0.5 mm double amplitude at frequency of 10 to 55Hz (for 1 minute) in each X, Y, Z direction for 10 minutes
Shock	300 m/s^2 (≈ 30 G) in each X, Y, Z direction
Shock (malfunction)	100 m/s^2 (≈ 10 G) in each X, Y, Z direction
Ambient temperature	0 to 50 °C, storage: -20 to 60 °C (no freezing or condensation)
Ambient humidity	35 to 85 %RH, storage: 35 to 85 %RH (no freezing or condensation)
Protection structure	IP65 (front panel, IEC standard)

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Software

You can download and use software programs for Autonics products in APC-1011. There are two ways for downloading software.
• Moving the installation file from a PC, using a USB driver
• Downloading the installation file from the Autonics website after connecting the LAN cable to the Ethernet port of APC-1011
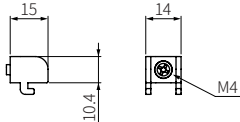
Please refer to the catalogue or user manual for detailed information about software programs for APC-1011.
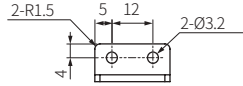
Dimensions

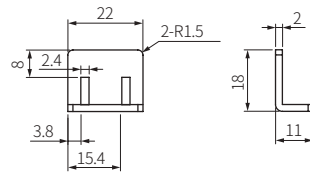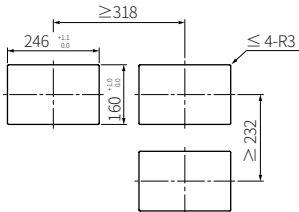• Unit: mm, For the detailed drawings, follow the Autonics website.
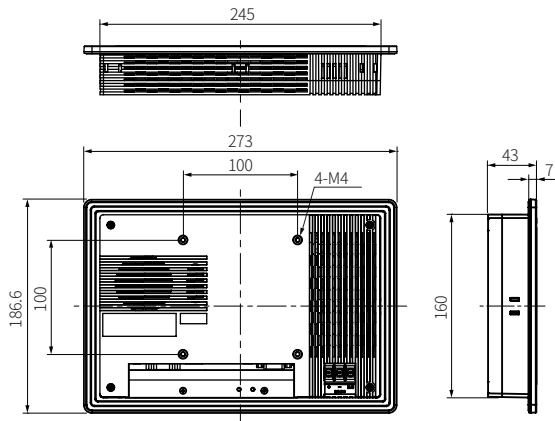
■ Fixing bracket

■ Mold bracket

■ Panel cut-out

Unit Descriptions
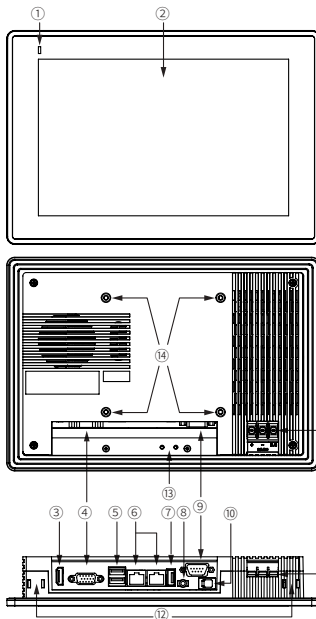
No.	Description
①	Power indicator (green)
②	LCD screen
③	HDMI
④	VGA
⑤	USB 2.0
⑥	Ethernet
⑦	USB 3.0
⑧	Audio
⑨	RS232C / RS485 / RS422 (jumper pin setting)
⑩	Power switch
⑪	Power terminal
⑫	Fixing bracket mounting slot
⑬	Mold bracket mounting slot
⑭	VESA hole