



# Raise Production Efficiency and Optimize Equipment Performance



## 10 inch Panel PC

The APC-1011 series panel PCs are industrial PCs featuring quad-core processor and 10.1-inch IPS TFT LCD display. The touchscreen display with integrated processor allows easy system setup without requiring separate PCs. The panel PCs offer high-speed processing power and wide viewing angles with true color display (16,777,216 colors). The APC-1011 series also supports various connection interfaces including HDMI, USB, VGA, Audio, Serial, Ethernet, and more.

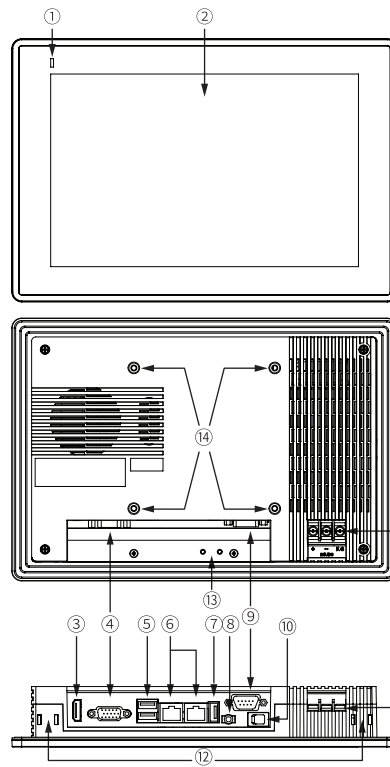
## Specifications

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/m2
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
Certification	CE UK ENEC
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

Power supply	24 VDC=
Permissible 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	Between the charging part and the case: 500 VAC~ 50/60 Hz for 1 minute
Vibration	0.75 mm double amplitude at frequency of 10 to 55Hz in each X, Y, Z direction for 1 hour
Vibration (malfunction)	0.5 mm double amplitude at frequency of 10 to 55Hz in each X, Y, Z direction for 10 minutes
Shock	300 m/s <sup>2</sup> (≈ 30 G) in each X, Y, Z direction
Shock (malfunction)	100 m/s <sup>2</sup> (≈ 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)

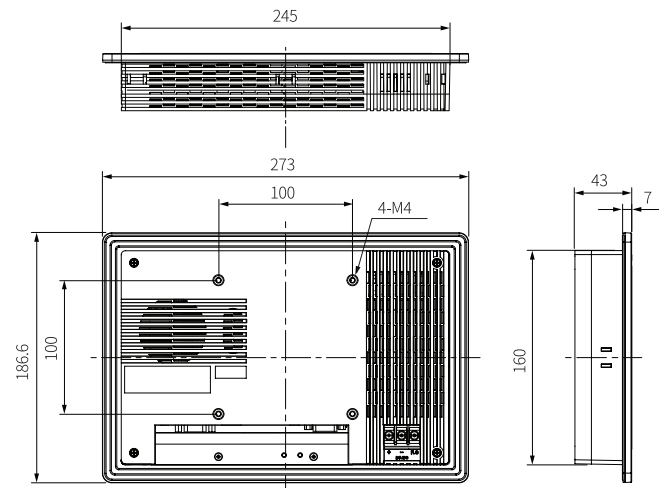
## Unit Descriptions



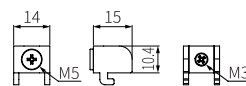
No.	Description
①	Power indicator (green)
②	LCD screen
③	HDMI
④	VGA
⑤	USB 2.0
⑥	Ethernet
⑦	USB 3.0
⑧	Audio
⑨	RS232C/RS485/RS422 (jumper pin setting)
⑩	Power switch
⑪	Power terminal
⑫	Fixing bracket mounting slot
⑬	Mold bracket mounting hole
⑭	VESA hole

## Dimensions

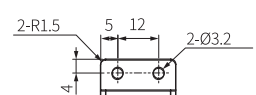
• Unit: mm, For the detailed drawings, follow the Autonics website.



### ■ Fixing bracket



### ■ Mold bracket



### ■ Panel cut out

