

# iniPC-P-A-12.1

The 3mm bezel and embedded holes design enables easy panel mounting. It is made of self-developed industrial motherboard. Highly durable aluminum alloy with good heat dissipation enclosure, IP65 protected front panel, industrial components make it to satisfy various applications such as machinery, industrial automation, smart factory, transportation, education, health care, BMS, energy management, robotics, etc.

## Features

- Aluminum alloy enclosure, easy embedded design
- IP65 protected flat front panel
- Fanless, excellent heat dissipation design
- Self-developed industrial grade motherboard
- Intel Celeron J6412 quad-core 2.0GHz processor
- High compatibility with 99% of industry software



## Model

Product Size	12.1"
Non-touch	iniPC-P-A-12.1
Capacitive touch	iniPC-P-A-12.1-C
Resistive touch	iniPC-P-A-12.1-R

## I/O Interface



## Specification

### Screen Parameter

Display type	12.1" TFT LCD screen
MAX.resolution	1280*800 (16:10)
Viewing angle(H/V)	65/65/65/65 (L/R/U/D)
Luminance (cd/m <sup>2</sup> )	300 cd/m <sup>2</sup>
Contrast ratio	1000:1

### Touch Parameter

Touchscreen	Projection capacitive touch 10-point multi touch	Resistive touch single point	Non-touch
Light transmission	≥88%	≥78%	≥92%
Controller	USB ( COM customized)	USB ( COM customized)	/

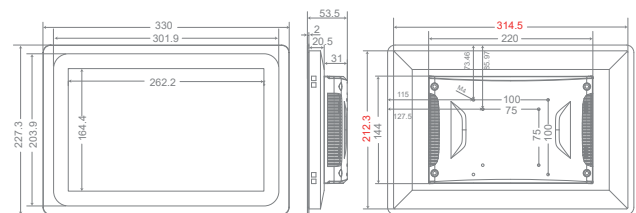
### Power Parameter

Power input	DC 12V-36V
Power adapter	24V/2.5A

### Configuration

CPU	Intel Celeron J6412 quad-core 2.0GHz CPU	Bluetooth	BT4.0
Memory/RAM	8GB (Optional: 4GB/16GB, Supports up to 16GB)	Watchdog Timer	Support
Storage	256GB SSD (Optional: 128GB~512GB/1~4TB SSD, 1TB/2TB HDD)	RTC real time clock	Support
Wi-Fi	Dual Band 2.4GHz+5GHz	Timer switch	Support
Operating system	WIN10/11, Ubuntu14.04.6/16.04.7/18.04.5/18.04.6/20.04.1/20.04.3/20.04.4/22.04/Centos7.8/8.4/7.9/Redhat7.4/Debian10.0/11.6		

## Dimension



### Physical Characteristic

Overall dimensions	W330x H227.3x D53.5mm
Installation size	W316.5 x H214.3mm
Material	Aluminum alloy
Color	Black, optional silve
Installation	Supports Panel-mount/Wall-embedded/Wall-mounted/Desktop/Folding mounting/VESA mount/Suspended mounting, etc.

### Interface Parameter

PowerSW	1*PowerSW
Power interface	1*Threaded DC connector (Diameter 5.5*2.5mm)
Phoenix terminal	1*12P Phoenix terminal (DC/RS232*1/RS485*1/GPIO*5)
USB	2*USB2.0, 2*USB3.0
Ethernet	2*LAN, 10M/100M/1000M adaptive Ethernet, 3G/4G customized
HDMI	1*HDMI output, up to 4K
SIM	1*SIM card slot (should be work with 3G/4G module)
VGA	1*VGA
Audio	1*Audio I/O, support audio input and output
Serial port	1*COM (The default is RS232, optional RS485/RS422)
Wi-Fi antenna	2*Wi-Fi antenna
Grounding	1*GND
Speaker	2*(8Ω2W)

### Reliability Parameter

Operating temperature	-10°C~60°C (-20°C~70°C can be customized)
Storage temperature	-20°C~70°C
Relative humidity	95% non-condensing