

2nd Gen i-series Embedded X86 All In One Panel PC —Intel i3 Processor

The 2nd Generation i-series industrial Panel PC with 3mm bezel and embedded holes design enables easy panel mounting. Size options 7"~23.8". It is made of self-developed industrial motherboard with Intel i3 processor and supports 7*24h operation in different environments. The highly durable aluminum alloy with good heat dissipation enclosure, IP65 protected front, industrial components make it to satisfy various applications such as machinery, automation control, smart factory, transportation, health care, BMS, energy management, robotics, etc.

Features >>

- Aluminum alloy enclosure, panel mount/VESA mount
- IP65 protected flat front panel
- Fanless, excellent heat dissipation design
- Capacitive/resistive/non-touch
- Self-developed industrial motherboard
- CPU Intel i3 (6th/ 8th/10th /12th generation optional)
- High compatibility with 99% of industry software



7"~23.8" optional



Model >>

Product size	Non-touch	Capacitive Touch	Resistive Touch	Resolution	Screen Scale	Brightness	Contrast ratio	Viewing Angle	Back Cover Style
7"	TPC070-W1000	TPC070-W1010	TPC070-W1020	1024*600	16:9	300cd/m ²	500:1	75/75/70/75 (L/R/U/D)	 (7-8 inch small back cover)
8"	TPC080-W1000	TPC080-W1010	TPC080-W1020	1024*768	4:3	300cd/m ²	800:1	85/85/85/85 (L/R/U/D)	
10.1"	TPC101-W1000	TPC101-W1010	TPC101-W1020	1280*800	16:10	300cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	 (10.1-13.3 inch middle back cover)
10.4"	TPC104-W1000	TPC104-W1010	TPC104-W1020	1024*768	4:3	400cd/m ²	1000:1	80/80/80/80 (L/R/U/D)	
11.6"	TPC116-W1000	TPC116-W1010	TPC116-W1020	1920*1080	16:9	300cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	
12"	TPC120-W1000	TPC120-W1010	TPC120-W1020	1024*768	4:3	500cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	
12.1"	TPC121-W1000	TPC121-W1010	TPC121-W1020	1280*800	16:10	300cd/m ²	1000:1	65/65/50/65 (L/R/U/D)	
13.3"	TPC133-W1000	TPC133-W1010	TPC133-W1020	1920*1080	16:9	300cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	 (15-23.8 inch large back cover)
15"	TPC150-W1000	TPC150-W1010	TPC150-W1020	1024*768	4:3	300cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	
15.6"	TPC156-W1000	TPC156-W1010	TPC156-W1020	1920*1080	16:9	300cd/m ²	800:1	85/85/85/85 (L/R/U/D)	
17"	TPC170-W1000	TPC170-W1010	TPC170-W1020	1280*1024	5:4	300cd/m ²	1000:1	80/80/80/70 (L/R/U/D)	
17.3"	TPC173-W1000	TPC173-W1010	TPC173-W1020	1920*1080	16:9	300cd/m ²	600:1	80/80/60/80 (L/R/U/D)	
18.5"	TPC185-W1000	TPC185-W1010	TPC185-W1020	1920*1080	16:9	400cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	
19"	TPC190-W1000	TPC190-W1010	TPC190-W1020	1280*1024	5:4	300cd/m ²	1000:1	85/85/80/80 (L/R/U/D)	
19.1"	TPC191-W1000	TPC191-W1010	TPC191-W1020	1440*900	16:10	300cd/m ²	1000:1	80/80/80/80 (L/R/U/D)	
21.5"	TPC215-W1000	TPC215-W1010	TPC215-W1020	1920*1080	16:9	300cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	
23.8"	TPC238-W1000	TPC238-W1010	TPC238-W1020	1920*1080	16:9	250cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	

Installation >>



Embedded/Panel mount

Inner Embedded/VESA

Wall mount by VESA

Desktop by VESA

Desktop by VESA

Cantilever by VESA

Boom-type by VESA

Specification >>

Configuration

Intel i3-6100U, 2-core/4-thread	Intel i3-8145U, 2-core/4-thread	Intel i3-10110U, 2-core/4-thread	Intel i3-1215U, 6-core/8-thread
2.3GHz	2.1GHz, up to 3.9GHz	2.3GHz, up to 4.1GHz	1.2GHz, up to 4.4GHz
Intel HD Graphics 520	Intel HD Graphics 620	Intel UHD Graphics 620	Intel Iris Xe Graphics 64
4G DDR4(optional 8/16/32G)	4G DDR4(optional 8/16/32/64G)	8G DDR4(optional 4/16/32/64G)	8G DDR4(optional 4/16/32G)
128G SSD(64G/256G/512G/1TB SSD, 1T/2T HDD optional)			
Win7/10/11, Ubuntu/Centos/Redhat/Debian/Linux-Mint			
Dual-band 2.4G+5.0G			
BT4.0			

Touch Screen

Projection capacitive touch, 10-point multi touch Touch object: hand or capacitive touch pen Transmittance: ≥ 88% Controller: USB (COM customized)	
Resistive touch, single point Touch object: finger or stylus Transmittance: ≥ 78% Controller: USB (COM customized)	
Transmittance: ≥ 92%	

Reliability parameters

Operating: -10°C~60°C(-20°C~70°C can be customized) , Storage: -20°C~70°C
95% non-condensing
IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis
IEC 60068-2-27, half sine wave, duration 11ms

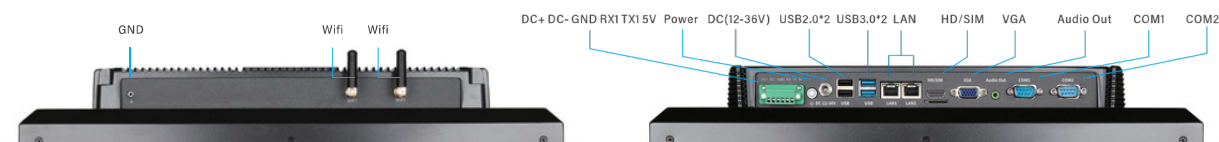
Other parameters

12V-36V
18W
Aluminum alloy frame, metal cover; standard black and silver color
Three years (standard one year free warranty, other policies are negotiable)
Embedded/Panel mount, VESA mount (wall mount, desktop, cantilever, etc)

I/O Interface

Phoenix terminal	12V-36V power input
DC port	1*DC standard 24V, supports 12V-36V power input
USB	2*USB 3.0, 2*USB 2.0
LAN	2*LAN,10M/100M/1000M adaptive Ethernet
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 output, 3.5mm headphone interface
RS232	2*RS232 (one can be customized with RS485/RS422)
POWER	1*power on/off button
Grounding	1*GND
WIFI antenna	2*WIFI antenna

Interface Image >>



Only the 17.3 inch interface is displayed. Please refer to the actual object for details.