

2nd Gen I Embedded X86 All-in-One Panel PC

The whole machine adopts ultra-thin frame which is more suitable for embedded installation, aluminum alloy structure and fully enclosed design. Equipped with self-developed fan less I series high configuration motherboard and high-speed storage scheme. Available in 7"~23.8" sizes. It has good scalability, practicability, EMC compatibility and other performance, and is widely used in industrial control, military industry, communication, power, network, intelligent self-service terminal equipment and other automation applications.

Features >>

- High precision die-casting aluminum molding, pure plane wire drawing process design, dustproof and waterproof.
- Self developed fanless industrial motherboard with X86 architecture, efficient heat dissipation
- Conform to EMC anti electromagnetic interference standard.
- Industrial protection, applicable to various harsh environments.
- Rich interfaces and strong extensibili.



7"~23.8" optional

Product 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)	

Product Installation >>



Product Specifications >>

Hardware Configuration

CPU	Intel Core I3-6100U	Intel Core I3-8145U	Intel Core I3-10110U
CPU frequency	2.3GHz	2.1GHz	2.1GHz
Integrated graphics	Intel HD Graphics 520	Intel HD Graphics 620	Intel UHD Graphics 620
RAM	4G DDR4 (Optional 8/16/32G)	4G DDR4 (Optional 8/16/32G)	8G DDR4 (Optional 16/32/64G)
Storage	128G SSD(256G/512G SSD, 1T/2T HDD Optional)		
System	Win7/10/11, Ubuntu/Centos/Redhat/Debian/Linux		
WIFI	2.4GHz / 5GHz dual bands		
Bluetooth	BT4.0(Optional)		

Touch Screen

Capacitive Touch	Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: $\geq 88\%$ Input mode: handwriting or capacitive pen Controller communication: USB
Resistive Touch	Touch screen type: single point resistive touch screen Light transmittance: $\geq 78\%$ Input mode: Fingertip or stylus Controller communication: USB
Non touch	Light transmittance: $\geq 92\%$

Reliability parameters

working temperature	Operating temperature: -10°C – 60°C , storage temperature: -20°C – 70°C
Operating humidity	Humidity: 95% non condensing
Vibration protection	IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis
Impact protection	IEC 60068-2-27, half sine wave, duration 11ms
Product certification	CCC/CE/FCC/EMC/CB/ROHS

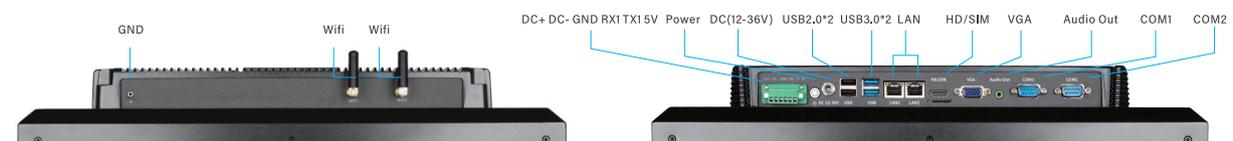
Other parameters

Power input	12V-36V power input
Static power	18W
Fuselage Properties	Body material: aluminum alloy, body color: classic black, technical silver
warranty policy	Three years (one year free warranty)
Installation method	Support embedded, wall mounted, desktop, louver, cantilever, boom and other installation methods

I/O Interface

Power interface1	1*DC2.5, Support 12V-36V wide voltage power supply
Power interface2	1*Industrial terminal, Support 12V-36V wide voltage power supply
USB	2*USB 3.0, 2*USB 2.0
LAN	2*LAN,10M/100M/1000M adaptive Ethernet
HDMI	1*HDMI, Support HDMI data output, maximum support 4K
SIM	1*SIM, SIM card interface standard interface supports various formats (depending on 3G / 4G module)
VGA	1*VGA
AUDIO	1*Audio Out, Support audio output, Headphone stand: 3.5mm standard interface
RS232	2*RS232(Optional: RS485,RS422)
POWER	1*Power
Grounding column	1*GND
WIFI antenna	2*WIFI antenna

Interface Distribution >>



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