

## 2nd Gen I-series 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

### Model >>

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

### Installation >>



## Specification >>

### Configuration

CPU	Intel Core I5-6200U	Intel Core I5-7200U	Intel Core I5-8265U	Intel Core I5-10210U
CPU frequency	2.3GHz	2.5GHz	1.6GHz	1.6GHz
GPU	Intel HD Graphics 520	Intel HD Graphics 620	Intel Ultra HD Graphics 620	Intel UHD620 Graphics
Memory/RAM	4GB (Supports up to 32GB)	4GB (Supports up to 32GB)	4GB (Supports up to 64GB)	8GB (Supports up to 64GB)
Storage	128GB SSD(256G/512G SSD, 1T/2T HDD Optional)			
Operating System	Win7/10/11, Ubuntu/Centos/Redhat/Debian/Linux-Mint			
Wi-Fi	Dual Band 2.4GHz+5GHz			
Bluetooth	BT4.0 (Optional)			

### Touch Parameter

Capacitive Touch	Projection capacitive touch, 10-point multi touch Touch object: hand or capacitive touch pen Light transmission: $\geq 88\%$ Controller: USB (COM customized)
Resistive Touch	Resistive touch, Single point Touch object: finger or stylus Light transmission: $\geq 78\%$ Controller: USB (COM customized)
Non touch	Transmittance: $\geq 92\%$

### 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

### Other Parameter

Power input	12V-36V power input
Power adapter	I5-6200U/I5-7200U: 24V/2.5A I5-8265U/I5-10210U: 24V/4A
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

### Interface Parameter

PowerSW	1*PowerSW
Power interface	1*Threaded DC connector (Diameter 5.5*2.5mm)
Phoenix terminal	1*6P Phoenix terminal (1*RS232 with power supply + 1*DC)
USB	2*USB 3.0, 2*USB 2.0
Ethernet	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
Speaker	2*(8Ω2W)
Serial port	2*COM (The default is RS232, optional RS485/RS422)
Grounding	1*GND
Wi-Fi antenna	2*Wi-Fi antenna

## I/O Interface >>



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