

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 >>



Embedded installation	Embedded installation	Wall mounted installation	Desktop installation	Louver installation	Cantilever installation	Boom type installation
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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: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB
Resistive Touch	Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB
Non touch	Light transmittance: ≥ 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

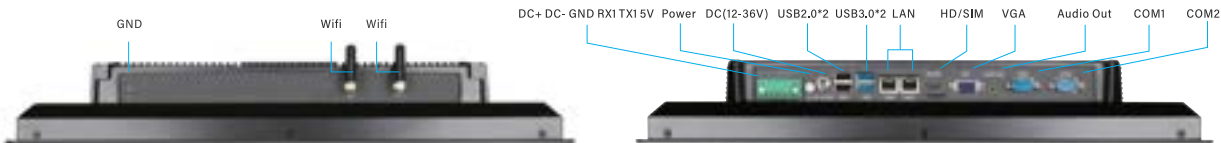
Other parameters

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.

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Features >>

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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)	
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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 I5-6200U	Intel Core I5-7200U	Intel Core I5-8265U	Intel Core I5-10210U
CPU frequency	2.3GHz	2.5GHz	1.6GHz	1.6GHz
Integrated graphics	Intel HD Graphics 520	Intel HD Graphics 620	Intel Ultra HD Graphics 620	Intel UHD620 Graphics
RAM	4G DDR4 (Optional 8/16/32G)	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: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB
Resistive Touch	Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB
Non touch	Light transmittance: ≥ 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

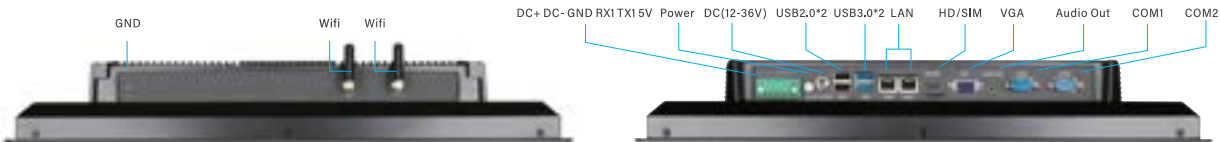
Other parameters

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
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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)
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Product Installation >>



Product Specifications >>

Hardware Configuration

CPU	Intel Core I7-6500U	Intel Core I7-7500U	Intel Core I7-8565U	Intel Core I7-10510U
CPU frequency	2.5GHz	2.7GHz	1.8GHz	1.8GHz
Integrated graphics	Intel HD Graphics 520	Intel HD Graphics 620	Intel Ultra HD Graphics 620	Intel UHD 630 Graphics
RAM	4G DDR4 (Optional 8G/16G)	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			
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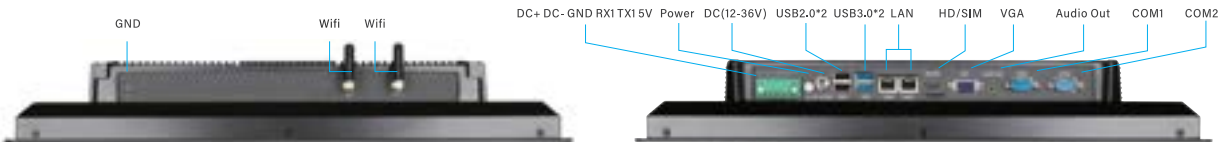
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Static power	18W
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Installation method	Support embedded, wall mounted, desktop, louver, cantilever, boom and other installation methods

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