

Medical Grade X86 All-in-One Panel PC

The higher standard LCD screen and high-precision touch screen are adopted. The body is made of aluminum alloy, and the totally enclosed fanless design scheme is designed for complex medical environment, which can ensure long-term stable operation under complex medical conditions; The materials used for the whole machine pay more attention to its reliability, multi environment adaptability, practicality, scalability and other properties. The products have obtained medical detection reports such as EMI, ESD, safety regulations, pulse train, emission radiation, etc., and are widely used in medical treatment, medical diagnosis intelligent terminal equipment and medical auxiliary self-service terminal equipment.

Features >>

- 7" ~ 21.5", multiple sizes are available.
- Industrial-grade protection, adapt to a variety of harsh environments.
- Independent research and development of the motherboard, the appearance of independent mold opening.
- Upgrade anti-interference internal layout, ESD up to: ±8KV~±15KV.
- Anti-vibration and anti-radiation layout structure design.
- Obtained the medical industry test report EN 60601-1-2:2015



ISO FC CE CCC RoHS 10+

7"~21.5" optional

Product Model >>

Product size	Non-touch	Capacitive Touch	Resistive Touch	Resolution	Screen Scale	Brightness	Contrast ratio	Viewing Angle	Back Cover Style
7"	TPC070-WT02	TPC070-WT12	TPC070-WT22	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-WT02	TPC080-WT12	TPC080-WT22	1024*768	4:3	300cd/m ²	800:1	85/85/85/85 (L/R/U/D)	
10.1"	TPC101-WT02	TPC101-WT12	TPC101-WT22	1280*800	16:10	300cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	 (10.1-12 inch middle back cover)
10.4"	TPC104-WT02	TPC104-WT12	TPC104-WT22	1024*768	4:3	400cd/m ²	1000:1	80/80/80/80 (L/R/U/D)	
11.6"	TPC116-WT02	TPC116-WT12	TPC116-WT22	1920*1080	16:9	300cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	
12"	TPC120-WT02	TPC120-WT12	TPC120-WT22	1024*768	4:3	500cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	 (15-21.5 inch large back cover)
15.6"	TPC156-WT02	TPC156-WT12	TPC156-WT22	1920*1080	16:9	300cd/m ²	800:1	85/85/85/85 (L/R/U/D)	
15"	TPC150-WT02	TPC150-WT12	TPC150-WT22	1024*768	4:3	300cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	
17"	TPC170-WT02	TPC170-WT12	TPC170-WT22	1280*1024	5:4	300cd/m ²	1000:1	85/85/80/70 (L/R/U/D)	
17.3"	TPC173-WT02	TPC173-WT12	TPC173-WT22	1920*1080	16:9	300cd/m ²	600:1	80/80/60/80 (L/R/U/D)	
19"	TPC190-WT02	TPC190-WT12	TPC190-WT22	1280*1024	5:4	300cd/m ²	1000:1	85/85/80/80 (L/R/U/D)	
19.1"	TPC191-WT02	TPC191-WT12	TPC191-WT22	1440*900	16:10	300cd/m ²	1000:1	80/80/80/80 (L/R/U/D)	
21.5"	TPC215-WT02	TPC215-WT12	TPC215-WT22	1920*1080	16:9	300cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	

Product Installation >>



Product Specifications >>

Hardware Configuration

CPU	Intel Celeron J1900 quad core 1.99GHz
Integrated graphics	Intel HD Graphics
RAM	4G DDR3 1333MHz (Optional 8G)
Storage	64GB SSD (128GB/256GB/512GB SSD, 1T/2T HDD optional)
System	Win7/10, Ubuntu/Centos/Redhat/Debian
Video Card	Integrated HD Graphic display core
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: $-20^{\circ}\text{C} \sim 70^{\circ}\text{C}$, storage temperature: $-30^{\circ}\text{C} \sim 80^{\circ}\text{C}$
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: medical white, classic black
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 interface 1	1*Industrial terminal,Support 12V-36V wide voltage power supply
Power interface 2	1*DC2.5, Support 12V-36V wide voltage power supply
USB	2*USB 3.0, 2*USB 2.0
LAN	1*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
POWER	1*Power
WiFi antenna	2*WiFi antenna
Grounding column	Support(1*GND)

Interface Distribution >>



Only the 15 inch J1900 motherboard interface is displayed. Please refer to the actual object for details.