

Medical Grade Monitor

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: $\pm 8KV \sim \pm 15KV$
- Anti-vibration and anti-radiation layout structure design
- Obtained the medical industry test report EN 60601-1-2:2015



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-MT02	TPC070-MT12	TPC070-MT22	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-MT02	TPC080-MT12	TPC080-MT22	1024*768	4:3	300cd/m ²	800:1	85/85/85/85 (L/R/U/D)	
10.1"	TPC101-MT02	TPC101-MT12	TPC101-MT22	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-MT02	TPC104-MT12	TPC104-MT22	1024*768	4:3	400cd/m ²	1000:1	80/80/80/80 (L/R/U/D)	
11.6"	TPC116-MT02	TPC116-MT12	TPC116-MT22	1920*1080	16:9	300cd/m ²	1000:1	85/85/85/85 (L/R/U/D)	
12"	TPC120-MT02	TPC120-MT12	TPC120-MT22	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"	TPC150-MT02	TPC150-MT12	TPC150-MT22	1024*768	4:3	300cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	
15.6"	TPC156-MT02	TPC156-MT12	TPC156-MT22	1920*1080	16:9	300cd/m ²	800:1	85/85/85/85 (L/R/U/D)	
17"	TPC170-MT02	TPC170-MT12	TPC170-MT22	1280*1024	5:4	300cd/m ²	1000:1	85/85/80/70 (L/R/U/D)	
17.3"	TPC173-MT02	TPC173-MT12	TPC173-MT22	1920*1080	16:9	300cd/m ²	600:1	80/80/60/80 (L/R/U/D)	
19"	TPC190-MT02	TPC190-MT12	TPC190-MT22	1280*1024	5:4	300cd/m ²	1000:1	85/85/80/80 (L/R/U/D)	
19.1"	TPC191-MT02	TPC191-MT12	TPC191-MT22	1440*900	16:10	300cd/m ²	1000:1	80/80/80/80 (L/R/U/D)	
21.5"	TPC215-MT02	TPC215-MT12	TPC215-MT22	1920*1080	16:9	300cd/m ²	1000:1	89/89/89/89 (L/R/U/D)	

Product Installation >>



Product Specifications >>

Hardware Configuration

CPU	RTD2513/RTD2556
Key functions	AUTO,MENU,POWER,LEFT,RIGHT
Menu language	Multi language (default English)
Video input	PC-RGB:Format,Up to 1920*1080@60HZ
	PC-RGB:Color,16bit, 24bit, 32bit

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	- 20 ° C~70 ° C
Storage temperature	- 30 ° C~80 ° 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
Waterproof	Front panel reaches IP65 protection level

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*DC2.1, Support 12V-36V wide voltage power supply
HDMI	1*HDMI , high-definition audio digital signal transmission, support HDMI data input, maximum support 1080P
VGA	1*VGA , Analog signal transmission, supporting the best resolution of VGA
DVI	1*DVI , digital signal transmission, supporting the best resolution of DVI digital signal
TOUCH	1*TOUCH, RJ45 interface standard (defined as USB), can be connected with capacitance/resistance touch
AUDIO	1*AUDIO I/O, supporting audio input and output; Headphone stand: 3.5mm standard interface
GND	Support(1*GND)

Interface Distribution >>



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