Medical Grade ARM 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.
- Self developed high-performance and low-power industrial motherboard with ARM architecture.
- Internal anti-seismic and anti-interference structure design of the whole machine, ESD up to 8KV/15KV.
- Obtain medical industry test report EN 60601-1-2:2015
- SDK package is provided to support secondary development and upgrade customization.
- Support desktop, wall mounted, cantilever, boom, embedded and other installation methods.

CPU	ESD	EMI/EMC	IP65	SDK	Android
3288 quad core	ESD:±8~15KV	EMI/EMC	IP65 waterproof	SDK software	Android

ISO FC CE CCC RoHS

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-AT02	TPC070-AT12	TPC070-AT22	1024*600	16:9	300cd/m²	500:1	75/75/70/75 (L/R/U/D)	(7-8 inch small back cover)
8"	TPC080-AT02	TPC080-AT12	TPC080-AT22	1024*768	4:3	300cd/m²	800:1	85/85/85/85 (L/R/U/D)	
10.1"	TPC101-AT02	TPC101-AT12	TPC101-AT22	1280*800	16:10	300cd/m²	1000:1	85/85/85/85 (L/R/U/D)	
10.4"	TPC104-AT02	TPC104-AT12	TPC104-AT22	1024*768	4:3	400cd/m²	1000:1	80/80/80/80 (L/R/U/D)	
11.6"	TPC116-AT02	TPC116-AT12	TPC116-AT22	1920*1080	16:9	300cd/m²	1000:1	85/85/85/85 (L/R/U/D)	
12"	TPC120-AT02	TPC120-AT12	TPC120-AT22	1024*768	4:3	500cd/m²	1000:1	85/85/85/85 (L/R/U/D)	(10.1-12 inch middle back cover)
15.6"	TPC156-AT02	TPC156-AT12	TPC156-AT22	1920*1080	16:9	300cd/m²	800:1	85/85/85/85 (L/R/U/D)	
15"	TPC150-AT02	TPC150-AT12	TPC150-AT22	1024*768	4:3	300cd/m²	1000:1	89/89/89/89 (L/R/U/D)	
17"	TPC170-AT02	TPC170-AT12	TPC170-AT22	1280*1024	5:4	300cd/m²	1000:1	85/85/80/70 (L/R/U/D)	
17.3"	TPC173-AT02	TPC173-AT12	TPC173-AT22	1920*1080	16:9	300cd/m²	600:1	80/80/60/80 (L/R/U/D)	
19"	TPC190-AT02	TPC190-AT12	TPC190-AT22	1280*1024	5:4	300cd/m²	1000:1	85/85/80/80 (L/R/U/D)	
19.1"	TPC191-AT02	TPC191-AT12	TPC191-AT22	1440*900	16:10	300cd/m²	1000:1	80/80/80/80 (L/R/U/D)	(15-21.5 inch large back cover)
21.5"	TPC215-AT02	TPC215-AT12	TPC215-AT22	1920*1080	16:9	300cd/m²	1000:1	89/89/89/89 (L/R/U/D)	

Product Installation »

Embedded installation	Wall mounted installation	Desktop installation	Louver installation	Cantilever installation	Boom type installation

Product Specifications ≫

Hardware Configuration

CPU	RK3288, quad core, 1.8GHz
GPU	Mali-T764
RAM	2G DDR3 (Optional 4G/8G)
Storage	16G eMMC (Optional 32G/64G)
System	Android 7.1/10.0/12.0, Linux4.4, Ubuntu18.04/20.04, Debian10.0
Ethernet	10M/100M/1000M
WIFI	2.4GHz / 5GHz dual bands
Bluetooth	BT5.0

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

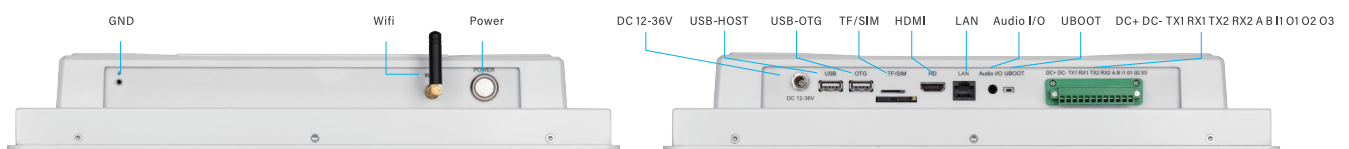|	
working temperature	Operating temperature: - 20 ° C~70 ° C, storage temperature: - 30 ° C~80 ° C
Operating humidity	Humidity: 95% non condensing
Vibration protection	IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis
Impact protection	IEC 60068-2-27, half sine wave, duration 11ms
Product certification	CCC/CE/FCC/EMC/CB/ROHS

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*DC 2.1, Support 12V-36V wide voltage power supply
HDMI	1*HDMI, Support HDMI data output, maximum support 4K
USB	1*USB HOST, 1*USB OTG
RJ45 Ethernet	1*10M/100M/1000M adaptive Ethernet
TF	Support TF expansion card (1*TF card slot)
AUDIO	1*Audio I/O, Support audio input and output, headphone stand: 3.5mm standard interface
SIM	1*SIM, SIM card interface standard interface supports various formats (depending on 3G / 4G module)
UBOOT	Support (1*UBOOT)
WIFI Antenna	1*WIFI Antenna
Grounding column	Support (1*GND)

Interface Distribution ≫

Only the 15 inch CX-3288-G motherboard interface is displayed. Please refer to the actual object for details.