

Smart Ward

MT2199

Smart Bedside Terminal





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21.5” In-Smart Bedside Terminal

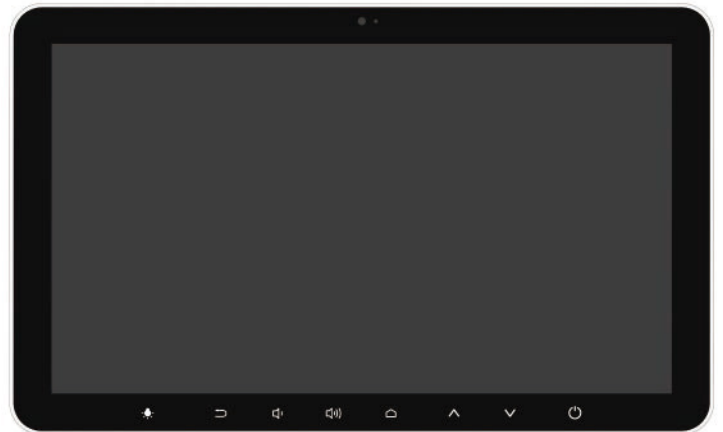
Recently, smart bedside computing terminals are being growingly endorsed in clinical environments due to the speedy growth of IoT in the healthcare sector. Saintway's MT2199 bedside high-power computing terminal has been specially designed for use in a hospital and clinical environment. It can provide not only operational management services to the staff and medical care services to the patients, but also diverse entertainment programs such as TV, radio, video, audio or games under superior Rockchip's RK3399 processor. While getting treatment for the actual disease in the hospital, the infotainment features of this terminal cover the psychological aspect to recover the patient.

Made of Antibacterial Material

Pathogenic microorganism is a cause of grave concern in hospital and other healthcare locations, as they affect the optimal functioning of medical devices. Keeping in view of the concern, the whole shell is made of antibacterial material which complies with European medical certification. Its fan-less system prevents the spread of germs and allows for silent operation.

Virtually Connect All Your Health Workers at One Platform

It connects your entire healthcare at a common virtual point. Due to its performance, it assists to communicate with doctors, and nurses and discussing medical reports and treatment, etc. It also connects us with those outside of the organization via the social app and helps us to keep in touch with things that matter.



Unparalleled Powerful Computing Device

MT2199 is a powerful computing device to host any kind of industrial application. Since the non-stop operation cycles of hospitals, this device is fully capable to compete and resolve the computational challenges in routine clinical and day-to-day hospital procedures. The advanced Rockchip RK3399 powerful processor of MT2199 ensures uninterrupted and efficient queries resolution.

Incredible User Experience

It's 21.5-inch 1920×1080 IPS full HD screen with a 10-point multi-touch capacitive screen and P-CAP touch technology provides an amazing experience to its users. Patients can watch their favorite TV programs while in hospital. They can surf the net, play games, and much more. It's multi-functionary features keep the patients engaged and stress-free during their hospital stay.

Engaging and Empowering a Patient

Generally, a patient's mobility remains confined within a hospital room due to which excessive rest and boredom negatively affect the patient's health. However, this terminal helps engage them with infotainment stuff and empowers them to keep connecting with doctors, nurses and medical staff. As well as family and world.

The Latest Mobile Operating System with Comprehensive Support

Along with high processing, the latest version of Android provides a better user experience and better security. Users can enjoy the latest features available for android mobiles. It supports all Google services as well as third-party apps. Extensive support is also available for Android.



Reliable consult service, necessary technical support together with 12-month standard warranty are guaranteed with Saintway's experienced technical team

For more information, visit <https://www.saintwaytech.com>

Specification

Core	
CPU	RK3399, Quad-Core A53, up to 1.4GHz Dual-Core A72, up to 1.8GHz
GPU	Mali-T860MP4, 600MHz, support OpenGL ES1.1/2.0/3.0/3.1
RAM	4GB LPDDR4
ROM	64GB eMMC (32GB, 128GB optional)
OS	Android 12

Display	
LCD panel	21.5-inch IPS, LED backlight
Resolutions	1920 x 1080
Brightness	500cd/m ²
Contrast Ratio	1000:1
View Angle (°)	85/85(UR), 85/85(U/D)
Touch pane	Capacitive 10-point Multi-touch screen, P-CAP touch technology

Wireless	
Network	5G module (Optional)
WiFi	Support 802.11 a/b/g/n/ac Dual-band 2.4GHz & 5GHz
Bluetooth	Support Bluetooth 5.0 BLE
RFID(Optional)	NFC Forum Tag Type 1,2,3,4, PicoPass and MIFARE classic Jewel cards (106 kbps, Type1) MIFARE UltraLight (106 kbps, Type2) FeliCa (212 kbps & 424 kbps Type3) ISO14443-A&B T=CL contactless smart cards (Type4) PicoPass tag (106 kbps) MIFARE Classic 1K/4K (106 kbps)

User Interface	
Video	4K H.264 and 10bits 60fps H.265 video decode, 1080P multi video decode VID/PX/H.264(AVI, MKV, MOV, TS, ML2TS, FLV, 3GP, MPEG OAT, MP4)
Audio	MP3, WMA, OGG, APE, FLAC, AAC etc.
Speaker	8Ω/3W x 2
Microphone	Internal microphone
Camera	13m-pixel CMOS Camera

User Interface	
Terminal back interface	DC IN x 1
	USB 2.0 x 2
	RJ11 x 1
	RJ45 (10/100/1000M+POE+) x 1 (Optional UPOE)
Terminal bottom interface	TYPE-C x 1
	SIM x 1
	USB 3.0 x 1 (Charging function 5V/2A)
	HDMI IN x 1
	Headphone x 2 (COMBINATION MIC)
	Reset
Handset	Full-function handset with remote control option
Function Key	Power, Vol+, Vol-, Channel+, Channel- Home, Return
Reading Lamp	Built in

Button	
Touch button	Power, V+, V-, Down, Return, Home

Other Functions	
G-sensor	Built in
RTC Battery	CR2032
Hard disk	Support SSD hard disk (optional)
Digital TV	Support ATSC, DVB-T2, ISDB-T (optional)

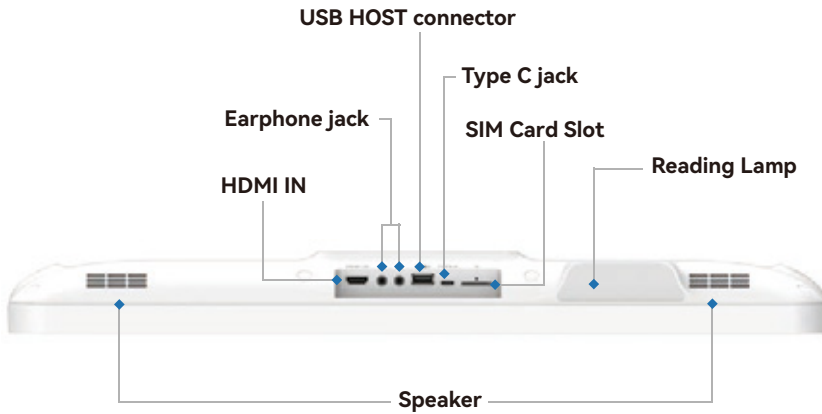
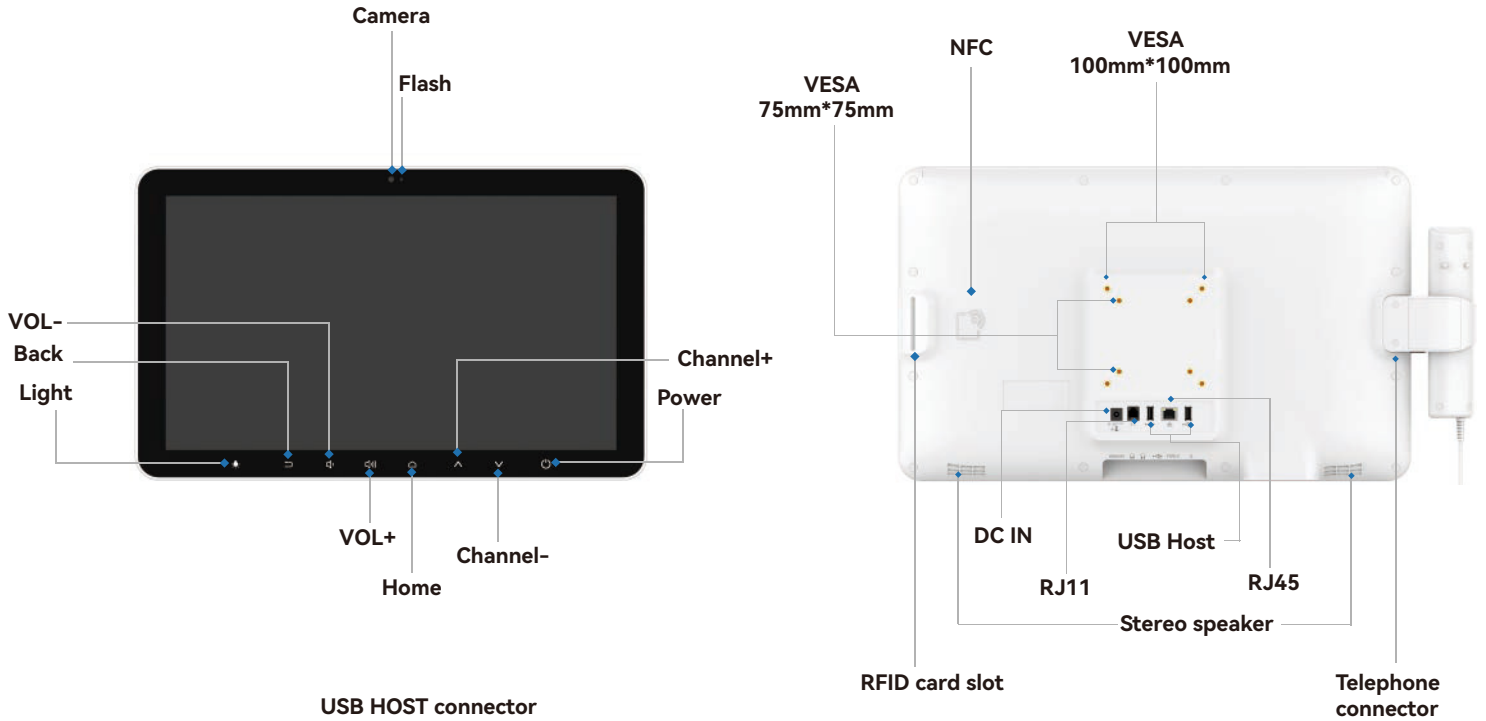
Power Supply	
DC In	12V DC (9-36V)

Environment	
Operating Temp	-10°C to 60 °C
Storage Temp	-20°C to 70 °C
Humidity	20%-80% (Non-Condensing)
IP Rating	Front panel IP65

Mechanical	
Dimensions	540(L) x 330(W) x 48(H) mm
Net Weight	4.8KG
Mounting	VESA 75 x 75/100 x 100 (mm)
Certification	CE, FCC, RCM, CSA

Accessories	
Standard	Power adaptor
optional	Handset

Interface



Accessories

