

LED-B10S Equipment

Installation Manual

Version: V1.0

Version Description:

Version	Revised Notes	Reviser	Date
V1.0	first draft	Guo Shuai	2024.01.30

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1 Overview

The LED-B10S Equipment Terminal is a product designed for telemedicine and smart ward call systems. As a networked LCD all-in-one device, this product includes a casing, terminal control mainboard, and mounting board. It is used for nurse calling, information transmission and display, and also supports multimedia broadcasting and video-on-demand services.

2 Specifications and Features

2.1 Product Specifications Sheet

1	Basic Parameters	Material: plastic structure/tempered glass	
2		Installation: Wall mounting	
3		Color: White	
4	Motherboard Parameters	CPU: SSD2381, 4 cores	
5		GPU: G52	
6		RAM: 1G	
7		External storage: 8G	
8		System: Android 12	
9	Screen Parameters	Size: 10.1 inches	
10		Screen display ratio: 16:10	
11		Resolution: 800× 1280	
12		Brightness: 250cd/m ²	
13		Uniformity: >80%	
14		Viewing angle: U/D/R/L(CR>10): 80/80/80/80	
15		Screen life: 20000 hrs	
16	I/O Interface	2pin 1.25 WC call button with lock	

17	(External)	5pin 1.25 door light connector with lock	
18		4pin 1.25 TTL connector with latch	
19		4pin 1.25 with latching network data interface	
20		5pin 1.25 power input with latch	
21		Composite port: TYPE-C interface (software programming port) Reset button (power-off reset button)	
22	Supported Formats	Audio format: MP3/WMA/AAC	
23		HD video format: RMVB/AVI/MPG/MKV/VOB/MP4	
24		Image format: JPEG/BMP/PNG	
25	Power	Rated power: \leq 6W, maximum power: 9W	
26		Standby power: \leq 1W	
27		Working voltage: DC12V/2A	
28	Peripheral Parameters	Bare metal size: 272.9 × 155.86 × 17.5mm	
29		Net weight of the whole machine: 0.73KG	
30		Packing instructions: bubble bag + carton	
31	Performance	Microphone: 1 pc	
32		Sound output: 8Ω 1W	
33		The whole machine comes with a door light, surrounding light strip design, with 3-color light (red, green, blue)	
34		WIFI/Bluetooth, NFC card reader, camera: 200W	Optional
35		Power supply mode: non-standard POE (12-24V); DC power supply 12V; Standard POE (48-54V)	Optional
36	Touch Screen	Capacitive 10-point touch screen, using industrial-grade touch chip	
37	Other	Anti-static: contact \geq 4KV, non-contact \geq 8KV	
38		Heat dissipation mode: passive heat dissipation of aluminum profile heat sink	

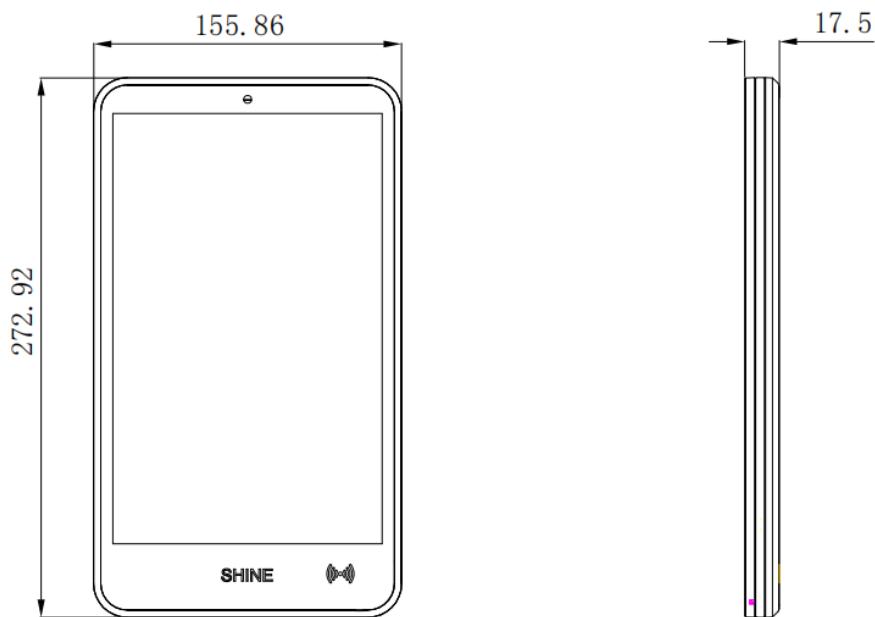
2.2 Main Uses and Scope Of Use

Telemedicine, smart wards

2.3 Product View



2.4 Product Dimensions (mm)



2.5 Product Interface Description

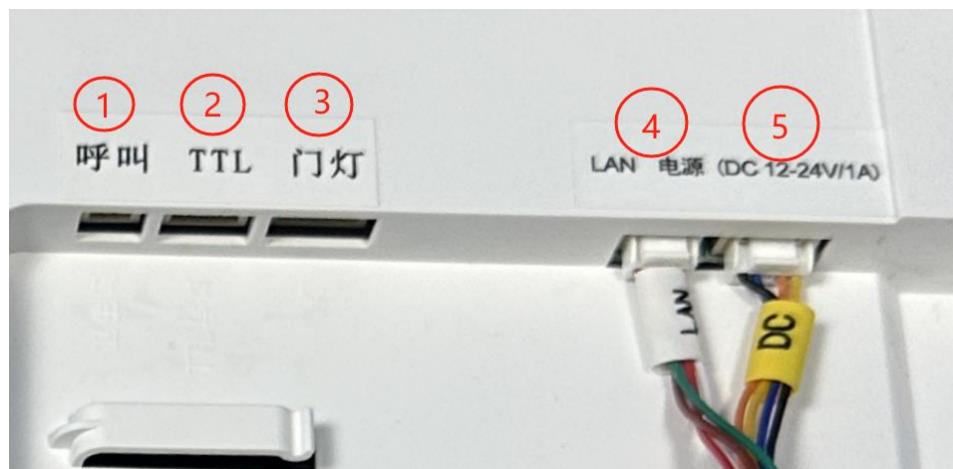


Front View

- 1 Camera (optional)
- 2 NFC swipe area
- 3 Hidden reset button



Rear View



- 1 Expandable external WC call button interface, 2pin 1.25 connector
- 2 Expandable external TTL access control interface, 4pin 1.25 connector
- 3 Expandable external door light interface, 5pin 1.25 connector
- 4 Network data input interface, 4pin 1.25 connector
- 5 Power input interface (12V-24V), 5pin 1.25 connector

3. Description Of Power Supply and Network Supply Mode

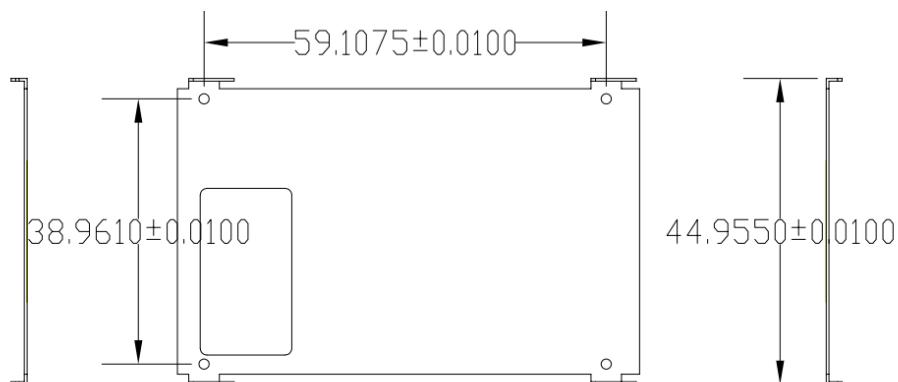
- ◆ POE power supply: A POE switch outputs 48V to a POE splitter, which then steps down the voltage to 12V to power the receiving device.
- ◆ Power over Ethernet (PoE) is a technology that enables electrical power to be provided along with data signals over existing Cat.5 Ethernet cabling infrastructure without any modifications. It allows for the transmission of data and the provision of direct current (DC) power to IP-based terminal devices simultaneously. PoE technology ensures the safety of existing structured cabling while maintaining normal network operations, minimizing costs to the greatest extent possible.
- ◆ Power over Ethernet (PoE) is a power distribution technology that allows for both power and data to be transmitted over twisted-pair cables to any device connected to the Ethernet.



Note: When setting a static IP network, the DNS cannot be 0 or blank; an IP address must be specified, otherwise the save will fail.

4. Installation Instructions

- ◆ Hanging board size drawing(mm)
- ◆ Locking plate screw (KA3*12mm)*4pcs



- ◆ Schematic diagram of the installation of anti-theft screws
- ◆ Anti-theft screw (PM2.5*18mm)*1pcs



Tooth Screws
PM2.5*18mm



5. Product Cleaning Instructions

Cleaning products: Use a soft, lint-free cloth or cotton lint-free cloth cleaning tool. Do not squeeze the display too hard when cleaning, it is recommended to wipe from one side of the display to the other until it is completely clean.

Caution: Do not use rough cloths or abrasive paper for wiping. Do not use cleaners containing chemical components, and never spray liquid directly into the product's ventilation holes to avoid damaging the product through electrical short-circuiting!

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a

particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure com