



Product Specification

Product Series: X-Poster5 Std

Product Model: X-Poster5SH Std

Important Notice:

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Change history

Version number	Total Pages	Revised Content Description	Date of revision	Revision Personnel
V1.1	-	The first edition was formulated	2026.05.21	

1.0 Scope of application

This specification is suitable for the X-Poster5 Std Series X-Poster5SH-STD Foldable Model. The follow-up mentioned "product" without special instructions is the X-Poster5 Std Series product. If there are special requirements, they can be customized according to the actual situation.

2.0 Product description

2.1 Product introduction

The X-Poster5 Std Series X-Poster5SH-STD Foldable Model is an AIoT-enabled smart LED commercial poster display that integrates industry-leading fine-pitch LED technology with an intelligent Android operating system. Featuring high-definition image quality, high brightness, and a high refresh rate, it delivers outstanding visual performance for a wide range of commercial applications. It is widely used in airports, transportation hubs, shopping malls, supermarkets, retail chains, and other digital signage environments.

2.2 Product features

- a) Supports double-sided display, allowing content to be shown on both the front and rear sides for enhanced visibility and advertising impact.
- b) Features a downward foldable design that combines double-sided display functionality with convenient transportation for greater flexibility in use.

- c) Supports content playback control via USB and LAN-based applications, with multiple network connection options including Wi-Fi and Ethernet.
- d) Supports intelligent cluster management, enabling remote centralized content review, publishing, and playback control for more precise and efficient advertising management.
- e) Compatible with smart devices such as tablets and smartphones for remote wireless interaction, allowing efficient management and operation anytime, anywhere.
- f) Supports optional seamless splicing to create a larger and more immersive display experience.

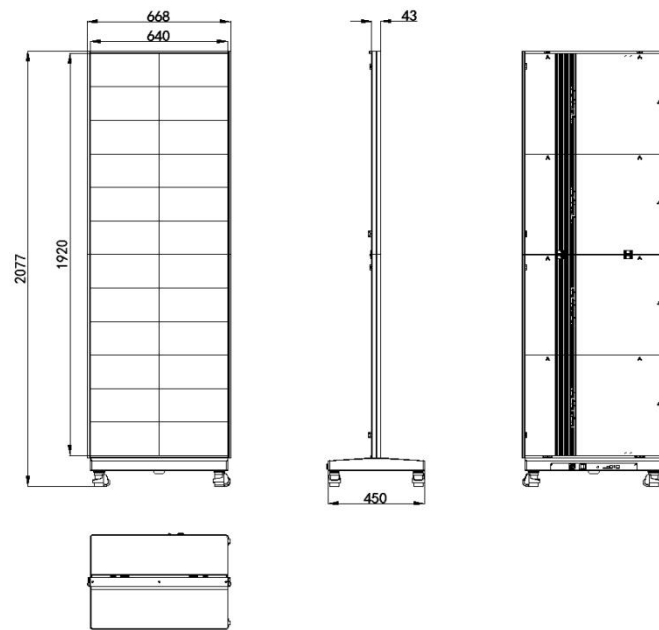
2.3 Product Image



Seat Mounting

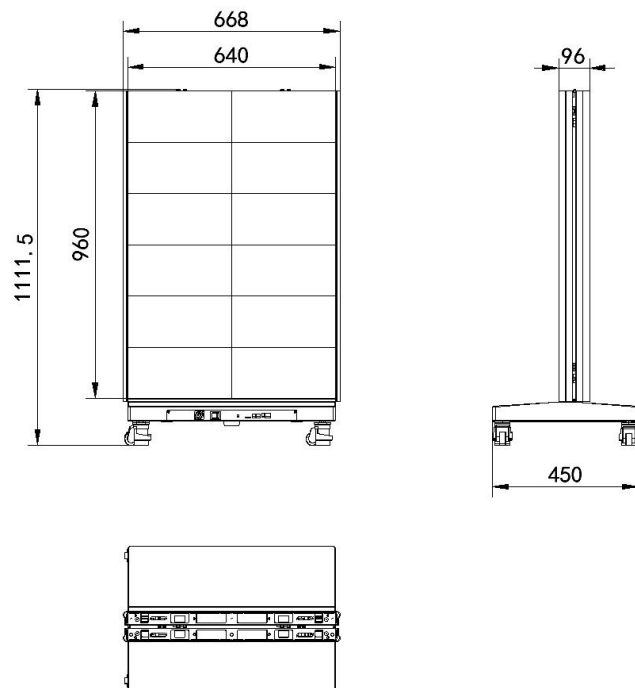
2.4 Product size structure drawing

◆ Full Screen Size:



668*2077*450mm

◆ Folded Size:



668*1111.5*450mm

Note:

1. The design and specifications will be upgraded and updated from time to time and will be subject to change without notice.
2. The dimension values (mm) shown in the chart are approximate.

3.0 Technical parameters

3.1 Mechanical parameters

Item	Parameter	
Model	X151P5SH-80Std	X181P5SH-80Std
Cabinet resolution	416*1248	344*1032
Product size(mm)	Unfolded: 668*2077*450, Folded: 668*1111.5*450	
Display size(mm)	Single-sided: 640*1920, Double-sided:640*960	
Cabinet Material	Die-cast Aluminum Alloy	
Installation Method	Seat Mounting (Standard)	
Maintenance Method	Module: Front Maintenance, System Card: Back Maintenance	
Grayscale (Bit)	13~14	
Brightness (nit)	0~600 (Adjustable)	
Contrast ratio	6000: 1	
Color Gamut	≥90% NTSC	
Chromaticity Coordinates	Standard (0.295, 0.305) , Adjustable	
Color temperature (K)	Standard 8000, Adjustable 3200~12000	
Viewing angle (H/V)	160°/140°	
Chromaticity uniformity	≤0.005	
Brightness uniformity	≥95%	
Single-point brightness calibration	Supported	
Single-point color calibration	Supported	
Avg. power consumption (W/screen)	170W	165W
Max. power consumption (W/screen)	520W	500W
Module power requirement	DC5V	
Cabinet power requirement	AC200~240V, 50~60Hz	
Control system	Android	

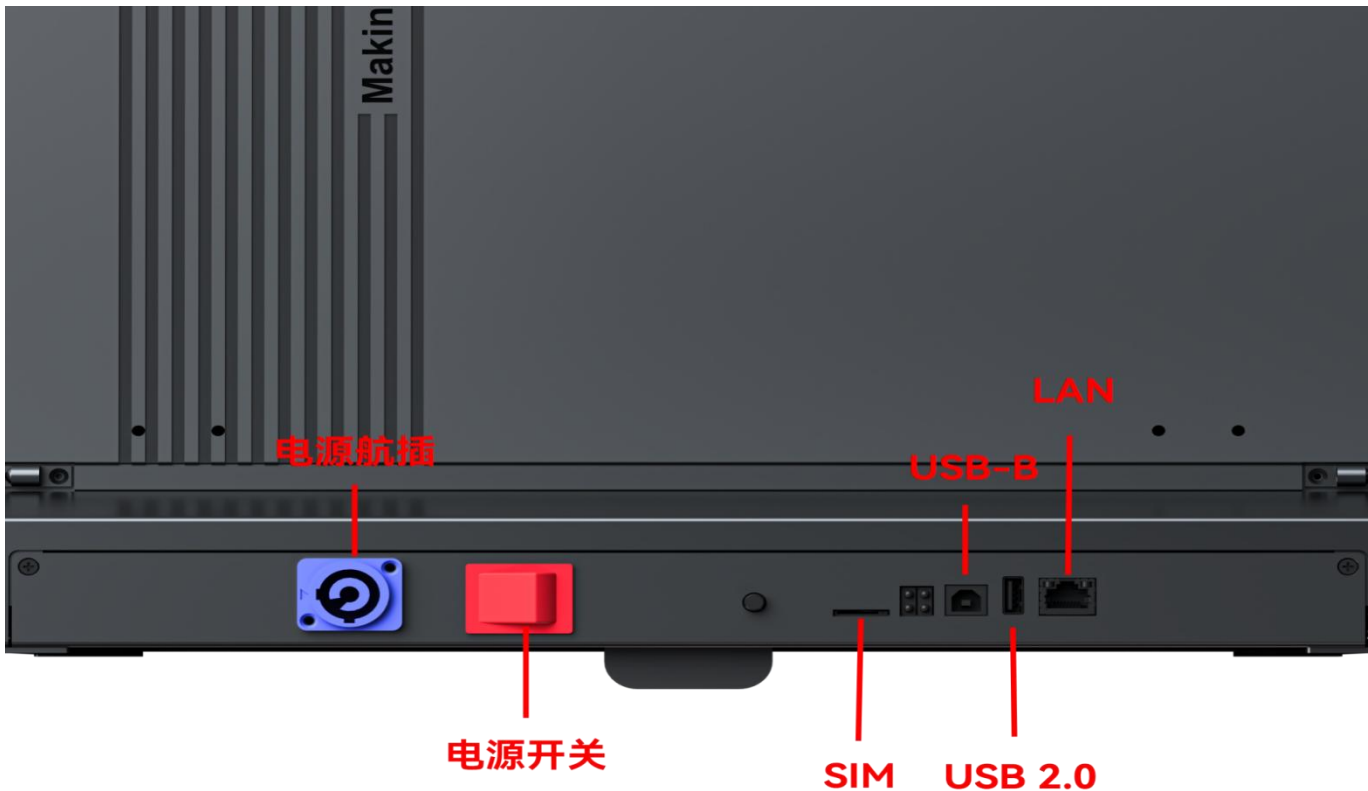
Memory (RAM) / Storage (ROM)	2G + 32G
Refresh rate (Hz)	3840
Driving method	PWM constant current
Net weight (Kg)	29
Mobile base weight (Kg)	14
Packaging method	Flight case packaging

Note: The above packaging parameters are the test parameters of the sample, which may vary depending on the specific batch configuration, so the parameters are for reference only.

Item	Parameter
Operating ambient temperature (°C)	0~40
Operating ambient humidity (RH)	10%~65% non-condensing
Storage ambient temperature (°C)	-20~50
Storage ambient humidity (RH)	10%~65% non-condensing
IP rate (front/back)	IP30/IP30

Note: Maximum power consumption may vary by $\pm 10\%$ due to differences in LED chip batches. Specifications are subject to change without prior notice.

4.0 Product interfaces



Legend	Type	Illustration
	Aviation-type power connector	Power input port
	Power Button	Power Control Switch
	USB-B	USB (Type-B) Port, Used for Connecting to a Host Computer for Screen Debugging
	USB 2.0	USB 2.0 (Type-A) Port, Supports USB Drive Playback and Storage Expansion. Supports FAT32 File System, with a Maximum Single File Size of 4GB

	LAN	100Mbps Ethernet Port for Network or Control PC Connection
	WiFi	Connects to WiFi Antenna (Supports 2.4GHz WiFi)

5.0 Packaging solution

Unless the customer specifies its packaging information, it will provide the customer with a standard shipping container, and the specific transportation method will change slightly due to different regions, and the actual packaging method shall prevail. The packaging method and label information are as follows.

5.1 Complete unit packaging



2 Units per Flight Case



1 Unit per Flight Case

Flight Case Packaging

6.0 Precautions for product use

Item	Parameter
Operating ambient temperature	Ambient temperature: 0 ° C~40 ° C; Other temperature ranges require the addition of temperature control equipment. The temperature of the lamp surface is $\leq 60^{\circ}$ C during operation; if it exceeds the standard, temperature control equipment needs to be added.
Storage ambient temperature	Ambient temperature: -20 °C ~50 ° C; Additional temperature control equipment is required for other temperature ranges to ensure that the temperature remains within the allowable range.
Operating ambient humidity	Ambient humidity: 10 ~ 65%RH, humidity exceeding the standard needs to be dehumidified in the use of the environment before normal use.
Storage ambient humidity	Ambient humidity: 10~65% RH; humidity more than 80% RH needs to be dehumidified.
Overdue storage treatment	If the product has been stored unopened for over one month or powered off for more than 48 hours after unpacking, it must undergo a 6-hour burn-in before normal use. The burn-in procedure is as follows, with brightness gradually increasing: Full white at 10% brightness for 1 hour, Full white at 30% brightness for 1 hour,

	Full white at 60% brightness for 2 hours, Full white at 80% brightness for 1 hour, Full white at 100% brightness for 1 hour.
Dustproof	IP3X dustproof rating on the back. The product is not recommended for use in high-dust environments, such as sandy outdoor areas or indoor workshops with excessive dust. Additional protective measures for the display cabinet are required in such conditions.
Corrosive gas resistant	The cabinet should not be exposed to an environment where the air contains salt or acid fumes, as this can cause corrosion of electronic components, crystalline leakage, and other issues.
Protection against electromagnetic radiation	The module should not be placed in an environment where electromagnetic radiation and radio frequency radiation exceed the intensity of the electric field by 5V/m interference sources.
Anti-static	Prevent the damage of electrostatics to electronic devices in humid environments and avoid the damage of leakage to the human body.
Shockproof	The display should be installed on a robust and reliable installation structure without strong vibration.
Stay away from water sources	The cabinet is not treated with waterproofing, and the water conductivity can short-circuit the circuit, resulting in damage to the circuit devices, so it is necessary to stay

	away from the water source.
Personal injury	The angle and height of the module installation should be suitable, and the sharp corners should be packaged to prevent damage of the strong outer shell to the human body.
Security requirements	It is necessary to ensure the stability of the power supply system, maintain the normal level of frequency, voltage, current harmonics, when a plurality of LED display cabinet are spliced, the metal shell should be grounded together with the metal frame installed in the LED display, and the grounding resistance of the overall system of the display should not be greater than 1Ω , and the leakage current should not exceed 5% of the input current. The electrical strength should meet the provisions of SJ/T 1114 1-2017 General Specification 5.7.5 for light-emitting diode (LED) displays.
other	If the product is an indoor installation product, it should be confirmed that the structure of the product is stable.

FCC Warning:

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.