

PL-PA86D

86" UHD Interactive Flat Panel Display



- 86-Inch 4K Display with 20 points IR touch writing experience and clear image in sharp, vivid colors.
- 4mm Mohs level-7 tempered glass with anti-glare.
- Quad-core processor, 4GB ROM + 32G RAM.
- Optional build-in 48-MP camera and eight-array microphone that produces excellent quality visual and audio communication.
- With its Zero Air Gap technology and low latency, writing on the whiteboard feels natural, similar to the real writing experience.
- Embedded Android 11.0 easy-to-use system with great APP compatibility.
- USB, HDMI and Type-C front port for users to easily use.
- Pre-install powerful whiteboard and wireless sharing software.
- Android and Windows can be easily switched between (OPS module is required for Windows OS).

System Overview

With Android 11.0 embedded in its design, Poling Smart Interactive Whiteboard has powerful processing capabilities with its Quad-core CPU, Quad-core GPU, and RAM 4GB/ROM 32G storage capacity. It adopts all-aluminum alloy frame structure, anodized surface technology, ultra-narrow frame, rounded corner design. Equipped with a high-precision infrared frame with a 1 mm identification diameter and a 4K high-definition DLED module, this whiteboard will give you an extraordinary experience whether you are writing, controlling or displaying content. It features video conferencing, wireless screen sharing, file management, UHD display, smart annotation scan & go and more. Rely on this whiteboard to modernize your meeting room or classroom, and make your teaching or meetings more efficient.

Functions

Smart I/O and Signal Source

Dual-channel PC/Android shared interface, USB Type-A, USB Type-C, TOUCH-USB and HDMI interface for users to expand. Intelligently identify the signal source, and automatically jump into the port channel when the external signal is received.

Smart Annotation

Smart annotation is a feature that allows users to mark up images or documents on screen with notes, comments or sketches in full-channel.

Wireless Screen Sharing

In addition to basic file share, wireless screen sharing and reverse control, it also supports screen grouping (multiple transmission), real-time transmission of wireless camera picture and sound from the mobile phone, host mode (for overall authority control) and split-screen mode that displays up to 9 splits on the same screen. Support all major platforms such as Windows, iOS, Android and Chrome OS for fast and easy screen share.

Two Writing Styles Configurable with One Pen

Automatically detects pen diameter and write simultaneously with different colors and thicknesses. (PS: Need to use our complimentary stylus dual-headed pen)

Easy to Share

Enhances the experience of sharing files and whiteboard software screen by scanning a code. It automatically determines the device network to readily share the QR code across the extranet and the intranet.

Technical Specification

Build-in system

Operating System	Android 11.0
Chipset	CPU: Quad-Core A55; GPU: Mali-G52 MP2
RAM	4GB
ROM	32GB
Front I/O	USB-A×3, HDMI×1, TOUCH×1, TYPE-C×1
Rear I/O (INPUT)	RJ45 IN×1, PC AUDIO IN×1, VGA×1, DP×1, RS232×1, USB2.0×1, HDMI×2, USB Type C×1, USB 3.0×2
Rear I/O (OUTPUT)	RJ45 OUT×1, HDMI×1, LINE OUT(Mini)×1, OPTICAL OUT×1, TOUCH OUT×1

LCD Panel

Panel Size (diagonal)	86-inch
Brightness	350-380cd/m2 (Central point)
Contrast	1200:1 (typ.)
Colors	1.07 billion
Resolution	3840 (H) × 2160 (V)
Refresh Rate	60Hz
Aspect Ratio	16: 9
Backlight	DLED
Viewing Angle	H: 178°; V: 178°
Active Area	1892.2 (H) × 1064.1 (V) mm

Touch Screen

Touch Technology Type	Infrared touch technology
Touch Points	20 points for Android; 40 points for Windows
Writing Mode	Finger + Pen
Response Time	<7 ms
Resolution	3840 (H) × 2160 (V)
Precision	1ms
Communication Mode	USB
Surface Hardness	Anti-dazzle 4mm tempered glass with a hardness of 7 on the Mohs scale

Speaker

Built-in Speaker	Dual Speaker
Power	Full frequency: 15W × 2

Camera & Mic (optional)

Camera Pixel	48 MP (live view)
Camera Max. Resolution	1080P
Camera Field of View	H: 104°; V: 70.2°; D: 112.7°
Number of Mic	8-array microphone
Mic Pick-up Distance	Far-field sound pickup: 6 m-8 m (19.69 ft-26.25 ft)
Mic AGC	Yes
Intelligent Noise Filtering	Yes

Function

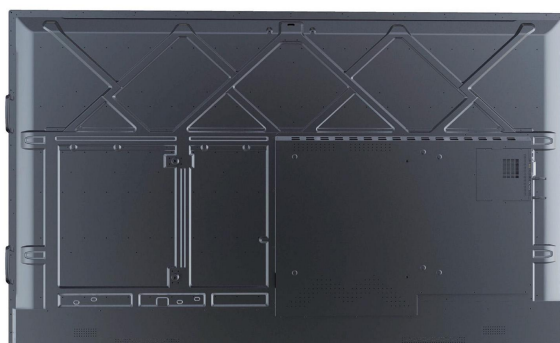
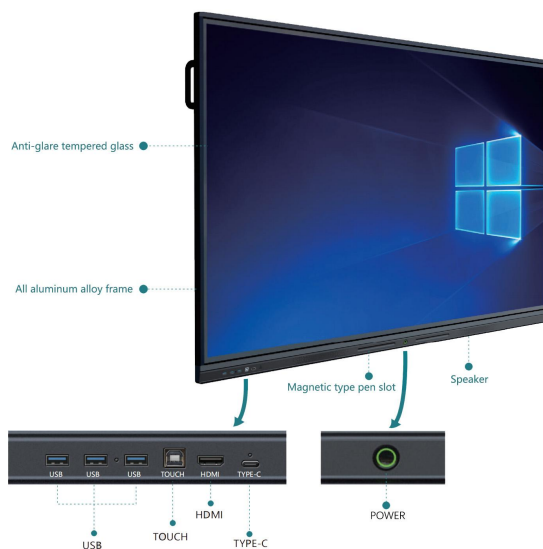
WIFI	2.4Ghz & 5Ghz, IEEE 802.11a/b/g/n/ac+
Wi-Fi Hotspot	Dual-band 2.4G/5G; supports enabling Hotspot and Wi-Fi at the same time
Bluetooth	2.1+EDR/4.2/5.0
OS of External OPS Module	Windows7/8/10/11, Linux

General

Power Supply	100-240 VAC, 50/60 Hz
Power Port	Three core design
Over Power Consumption (Without OPS module)	Maximum< 330W;
Standby Power	≤0.5W
Product Dimensions	1954.0×1165.0×89.1mm
Packaging Dimensions	2092.0×1319.0×215.0mm
VESA Dimension	800×400mm
Net Weight	67.2kg (148.2lb)
Gross Weight	85.2kg (187.8lb)
Operating Temperature	-10 °C to +55°C (+14 °F to +131 °F)
Storage Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Operating Humidity	10%RH to 90%RH

Storage Humidity	10%RH to 90%RH
Casing Color (Frame/Rear)	Sliver
Installation	Wall mount; floor-standing

Device Ports



PS: See OPS ports details in its datasheet.

OPS PC Module (optional)

Chipset	Intel Core-i3/i5/i7 4/6/8/10/11gen
RAM	DDR4 4/8/16GB
ROM	SSD 128/256/512GB
Graphic	Inter HD video
OS	Windows7/8/10, Linux
I/O	See OPS PC module datasheet
Wireless	Build-in WIFI

Packing List

Interactive Flat Panel	×1
Power Cord	×1
Wall-Mounted Bracket	×1
Stylus Pen	×2
Pointer	×1
WIFI Antenna	×4
User Manual	×1
OPS PC Module	Optional
Mobile Floor Stand	Optional

Installation

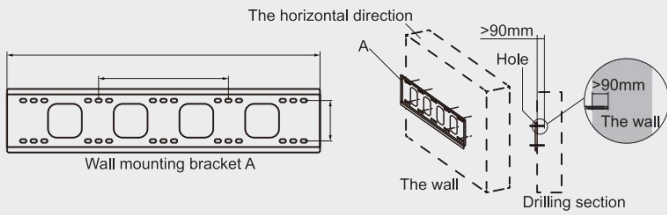
Wall Mount



Wall mount Installation Instructions

Step 1: Punching holes in the wall

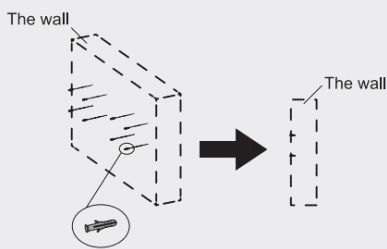
Mark M8 holes location on the wall according to wall-mount bracket A and use the drill bit the M8 holes. Depth of holes not less 90mm (Ref. Picture 1)



(Ref. Picture 1)

Step 2: Expansion bolt installation

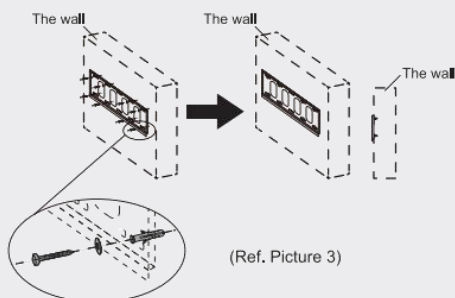
Press the expansion bolt into M8 holes. (Ref. Picture 2)



(Ref. Picture 2)

Step 3: Wall-Mount bracket A Installation

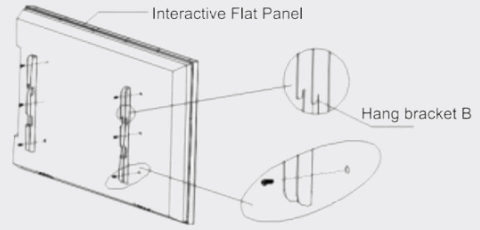
Install the wall-mount bracket on the wall with screws and washers, keeping the mounting bracket level. (Ref. Picture 3)



(Ref. Picture 3)

Step 4: Intall the left & right hang bracket B to inteactive flat panel.

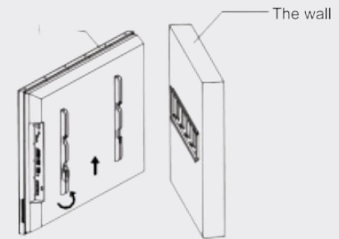
Use the screws fi× the hang bracket B at the back of smart interactive flat panel. Please check the direction of hang bracket B before installation. (Ref. Picture 4)



(Ref. Picture 4)

Step 5: Hang the smart interactive Flat Panel one the wall-mount bracket A

Hanging the left & right hang bracket B to the wall-mount bracket A, please ensure two hang brackets B total hang on wall-mounted bracket A, then tighen the screws of hang bracket B to Prevent it slide. (Ref. Picture 5)



(Ref. Picture 5)

Floor Standing

