



Planar PMI Series

Planar PMI series, new generation of LED display screen series, developed and adopts the industry's pioneering Type-C, which combines power and signal lines, resulting in faster transmission speed and more stable data transmission. For the first time in the industry, Planar PMI series has achieved blind insertion of power and signal lines. Planar PMI series with highly integrated power supply, adapter board, and receive card to create the intelligent control box, making installation, maintenance, and upgrade easier, and improving the reliability and stability of the LED display screen, Improve overall quality assurance.



Type-C interface
signal & power line 2in1
with Type-C connector



Self-developed Chip
Excellence all-wise
all-powerful



High Contrast Ratio
8000:1
Contrast Ratio



High Refresh Rate
4800Hz
Refresh Rate

- Available in 1.25, 1.53, 1.86, 2, 2.5mm Pixel Pitches
- 320x160mm Module
- 8000:1 Contrast Ratio
- 4800Hz Refresh Rate
- Signal & Power Line 2in1 with Type-C Connector



Planar PMI Series

PROFESSIONAL LED DISPLAY KIT MAKE INSTALLATION EASIER

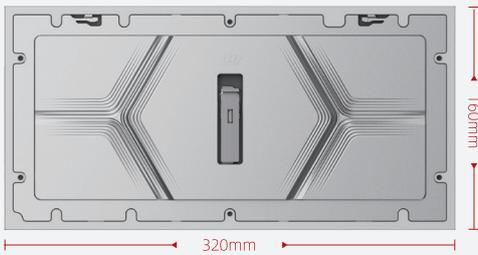
- PMI LED Display Module
- Intelligent Control Box M16A
- Type-C Cable (Power&Data All in 1)



PMI LED Module

General Mainstream

320×160mm



0° Flatness

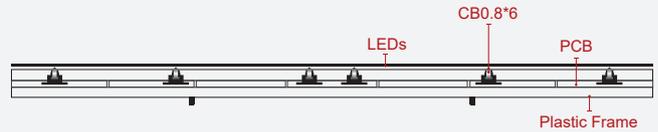
Thermally Conductive 3M Adhesive

► PMI LED Display Modules



PMI series, between the PCB and the aluminum shell, is bonded with thermal conductive adhesive to ensure the surface flatness to the greatest extent

► Traditional LED Display Modules

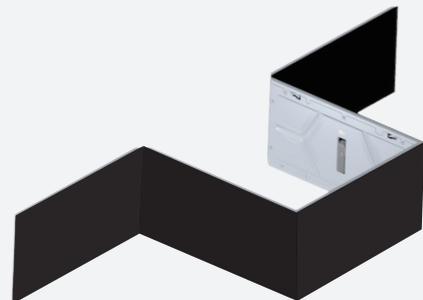
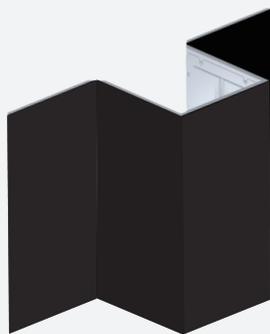


The PCB board is elastic, so after the plastic bottom shell is fixed by locking screws in a conventional assembly, it is prone to arching and deformation at this position, which affects the flatness.

Seamless Splicing

for Any Customizable Solution

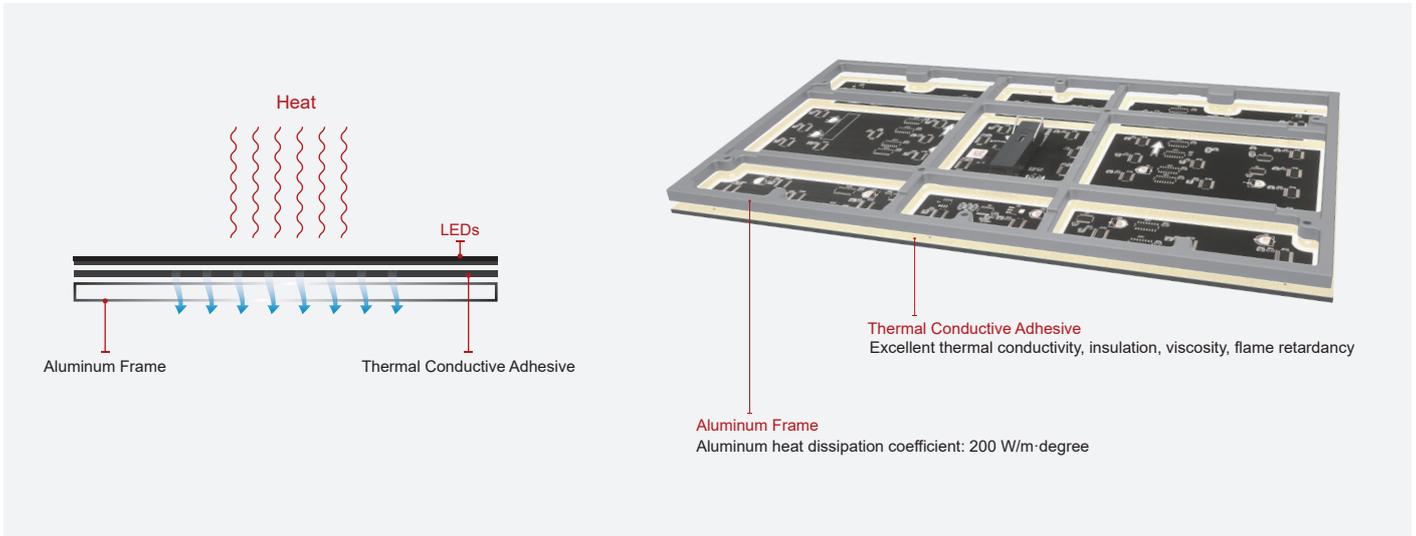
- > Installation without cabinet
- > Customizable Right-angle Splicing



Cooling System

Aluminum Frame + Thermal Conductive Adhesive

Planar PMI series adopts Cooling system heat dissipation, which greatly improves the physical heat dissipation intensity.



Safety Buckle Design

Safety buckle design of the module's back cover which locks the connector position to ensure that the cables are secure and no loose.



Easy Installation and Maintenance

- Highly Integrated
- High Speed Transmission
- Easy Installation Maintenance
- More Stable



DTL Transmission Protocol

Self-developed



INTELLIGENT DATA TRANSMISSION
Meets USB3.1 transmission, more efficient and stable

Controller

Intelligent Control Box



Safe and Reliable

Detection & Protection

- > Intelligent voltage detection
- > Intelligent over-current, over-voltage and over-temperature protection
- > All aluminum frame, excellent heat dissipation



Innovative Integration

Hardware Integrated

Power Supply + HUB Board + Receiving Card



Integrated Power & Signal Unified Output



Type-C

Type-C connector

Highly Integrated - Power and Data in One Cable

It is more convenient to insert the cable's connector into the port of LED module without distinguishing the correct direction.

- > MORE CONVENIENT CONNECTION
- > MORE EFFICIENT INSTALLATION



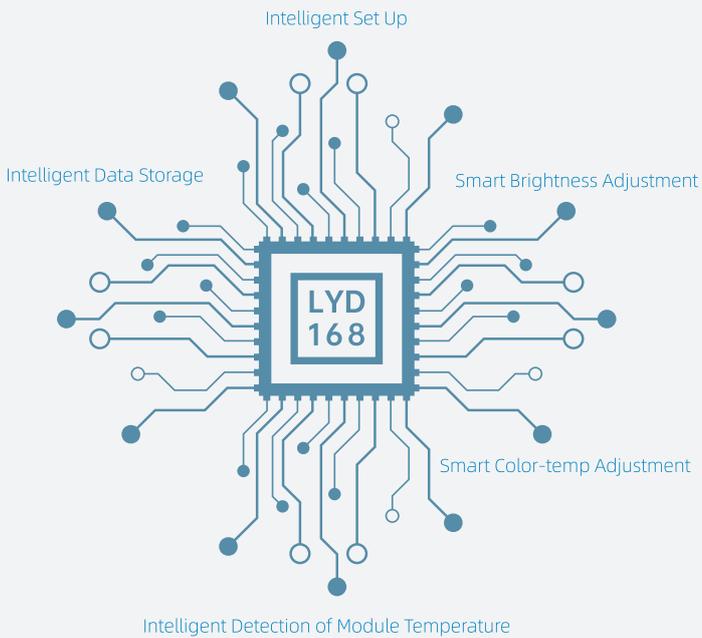


IMPROVE THE DISPLAY EFFECT

Higher Grayscale Level | Higher Refresh Rate

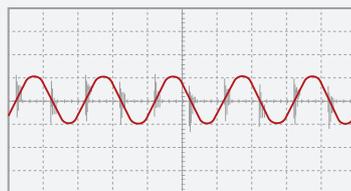
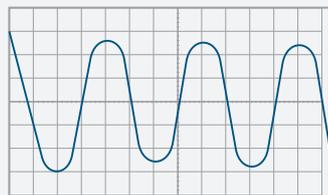
Chip LYD168

Self-developed



ANTI-EMI CAPABILITY

Strong anti-electromagnetic interference ability



High Refresh Rate



HIGH REFRESH RATE



LOW REFRESH RATE

* High refresh rate display brings smoother video playback and also can avoid problems such as unclear display, flickering or moiré pattern when using a mobile phone or camera to record or photograph the LED screen.

High Brightness



HIGH BRIGHTNESS



LOW BRIGHTNESS

* LED display screens with too low brightness often lead to dim and unclear images.

High Grayscale



HIGH GRAYSCALE



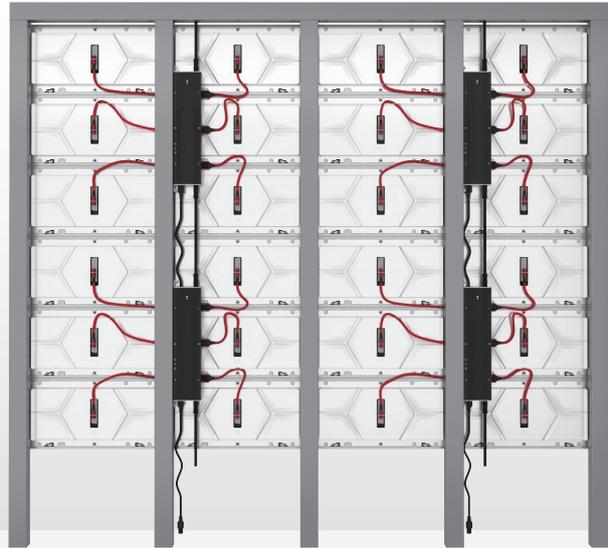
LOW GRAYSCALE

* Higher grayscale makes the images presented by the LED display more colorful and delicate, and shows more image details.

Simplify Installation

Installation Without Cabinet

Designed for Easier Installation and Greatly Improve Its Efficiency of the Whole Engineering Process



Note: The order of connecting modules is according to the serial number marked on the ports of the intelligent controller M16A.

Customized Curved Cabinet+Flexible Module

Easy and Fast Intallation & Maintenance for Concave and Convex Applications

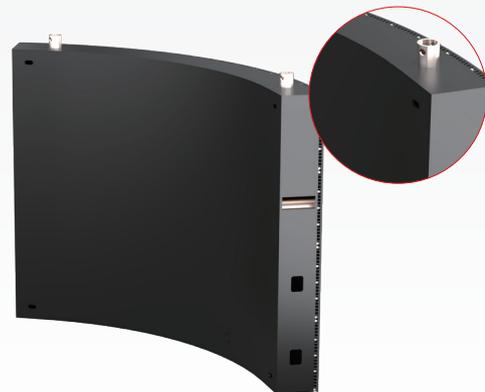
TIDY STRUCTURE

Highly Integrated, Clean and Clear



SIMPLE CABINET

Can be Customized According to Specific Requirement



Extensive Applications

Vertical Markets & Projects Reference

Planar PMI is extensively used due to their high-resolution visuals and versatile applications in various indoor settings, including control rooms, conference halls, retail stores, and hotels. They offer a seamless viewing experience with vibrant colors and sharp images, making them ideal for delivering captivating and immersive visual content.



Specifications

Item	PMI 1.2	PMI 1.5	PMI 1.8	PMI 2	PMI 2.5
Pixel Configuration	SMD				
Pixel Pitch (mm)	1.25	1.53	1.86	2	2.5
Module Resolution (WxH)	256x128	208x104	172x86	160x80	128x64
Module Size (mm)(WxH)	320x160				
Module Weight(Kg)	0.57±0.05				
Unit Area (m ²)	0.0512				
Pixel Density	640,000	422,500	288,906	250,000	160,000
Brightness (nits)	≥500	≥500	≥500	≥500	≥600
Color Temperature (K)	3000~38000 Adjustable				
Horizontal Viewing Angle (°)	160				
Vertical Viewing Angle (°)	140				
Deviation of LED Luminance Center	<3%				
Brightness Uniformity	≥97%				
Contrast Ratio	8000:1				
MAX. Power Consumption (W/m ²)	≤380				
AVG. Power Consumption (W/m ²)	≤128				
Frame Rate(Hz)	50&60				
Refresh Rate(Hz)	≥4800				
Operation Temperature (°C)	-10~40				
Storage Temperature (°C)	-20~60				
Operation Humidity (RH)	10~80% no condensation				
Storage Humidity (RH)	10~85% no condensation				
Operation (hr)	24/7				

Intelligent Control Box

Intelligent Control Box integrates power, adapter board, and receiving card, making installation, maintenance, and upgrade easier, and improving the reliability and stability of the LED display screen. Improve overall quality assurance.



Adapts to Two Cabinet Sizes

PMI series LED module can be arranged into PCI series LED cabinet.

