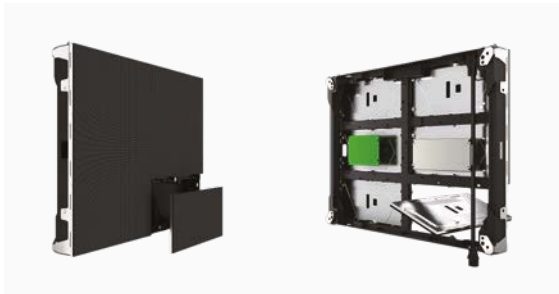# LGI+ Series
Indoor LED Display Cabinet

320x160mm Wholesale LED Display Module

> Front/rear installation, front/rear maintenance

> High-strength aluminum alloy cabinet frame, light weight and non-deformable

> Excellent heat dissipation performance, high splicing accuracy

> Magnetic installation for modules, no screw required, easy and fast maintenance

> Support X/Y/Z 6-axis alignment

> Support dual power supply and dual receiving card redundancy

MAINTENANCE METHOD
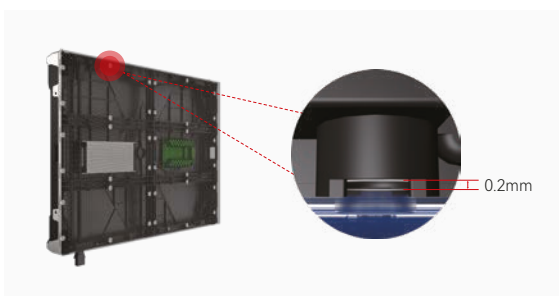LGI+ series can be maintained/installed in full front and rear manner.

CONCEALED POWER CONNECTOR
Concise appearance without any cable on the back of the screen.

Power Connector

MAGNETIC LEVITATION DESIGN
LGI+ adopts magnetic levitation design, leaving a 0.2mm space gap between the magnetic pad and the magnetic column, which not only maintain magnetic suction effect, but also avoid any splicing problem caused by the unevenness of the pad.

0.2mm

EDGE PROTECTION DESIGN
The cabinet is equipped with edge protection to prevent damage to the LEDs.

LGI+ Series
Indoor LED Display Module

Lightweight, Durable, Vivid, Eco-friendly LED Display

G-Guard LGI+ series is a lightweight and high-strength module with excellent load-bearing capacity. Its optimum design stems from a deep understanding of mechanical principles and the ingenious use of high-strength materials. The screwless design improves overall flatness. The components are directly serviceable. The refresh rate is 3840Hz. In addition, the product supports automatic adjustment of brightness and color temperature, which can bring users good visual experience, while effectively reducing power consumption and contributing to environment protection.

Adopting High-strength Brackets
Efficient Load-bearing without Deformation

Screwless Design
Ultimate in Ingenuity

Support Automatic Adjustment of Brightness and Color Temperature

Dual Module Sizes
320xl60mm

Thin and Exquisite Design
Beautiful and Strong

3840Hz Refresh Rate
Creating the Ultimate Visual Experience

High Refresh Rate
LGI+ series with high refresh rate offers smooth visuals, vibrant colors, and seamless motion for an enhanced viewing experience.

Automatic Adjustment
< Automatic adjustment of brightness and color temperature
< Bringing comfort, realizing power saving

Application Scenarios

Item	LGI+							
Product Model	LGI+							
Module Composition (WxH)	2x3							
Pixel Pitch (mm)	1	1.25	1.538	1.86	2	2.5	3.076	4
Cabinet Resolution (WxH)	640x480	512x384	416x312	344x258	320x240	256x192	208x156	160x120
Cabinet Dimension (WxHxD) (mm)	640x480x69.35							
Cabinet Area (㎡)	0.3072							
Cabinet Weight (Kg/cabinet)	7.1±0.1							
Color Temperature (K)	38000~3000 adjustable							
Viewing Angle (°) (H/V)	160/140							
Contrast Ratio	5000:1							
Brightness (nits)	≥600	≥600	≥600	≥600	≥600	≥600	≥600	≥600
Power Consumption (max; avg)W/㎡	≤493; ≤165							
Input Voltage (V)	AC: 100~240/200~240							
Frame Rate (Hz)	50&60							
Refresh Rate (Hz)	≥3840							

Remark: The product parameters, descriptions and images are subjest to change without prior notice.

Parameter Item	GG-10 LGI+	GG-12 LGI+	GG-15 LGI+	GG-18 LGI+	GG-20 LGI+	GG-25 LGI+	GG-30 LGI+	GG-40 LGI+
LED Configuration	SMT 3 in 1							
Pixel Pitch (mm)	1	1.25	1.538	1.86	2	2.5	3.076	4
Module Resolution (WxH)	320x160	256x128	208x104	172x86	160x80	128x64	104x52	80x40
Module Size (mm) (WxH)	320x160							
Module Weight (Kg)	0.39±0.05	0.39±0.05	0.39±0.05	0.39±0.05	0.38±0.05	0.37±0.05	0.39±0.05	0.39±0.05
Module Area (m²)	0.0512							
Pixel Density (dots/m²)	1,000,000	640,000	422500	288,906	250000	160000	105625	62500
White Balance Brightness (nits)	≥600	≥600	≥600	≥600	≥600	≥600	≥600	≥600
Color Temperature (K)	38000~3000 Adjustable							
Horizontal Viewing Angle (°)	160							
Vertical Viewing Angle (°)	140							
Deviation of LED luminance Center	<3%							
Brightness Uniformity	≥97%							
Contrast Ratio	5000:1							
Peak Power Consumption (W/m²)	≤440	≤440	≤352	≤352	≤352	≤230 / ≤396	≤308	≤370
Avg Power Consumption (W/m²)	≤148	≤148	≤118	≤118	≤118	≤77 / ≤132	≤103	≤123
Power Supply Requirements (V)	5	5	4	4	4	2.6 / 4.5	3.5	4
Single Module Current (A)	DC:4.5	DC:4.5	DC:4.5	DC:4.5	DC:4.5	DC:4.5	DC:4.5	DC:4.5
Drive Mode (Constant Current Drive)	54S	64S	52S	43S	40S	64S / 32S	52S	20S
Frame Rate (Hz)	50&60							
Refresh Rate (Hz)	≥3840							
Lifetime (hrs)	100,000							
Operation Temperature (℃)	–10~40							
Storage Temperature (℃)	–20~60							
Operation Humidity (RH)	%80~10 no condensation							
Storage Humidity (RH)	%85~10 no condensation							