

) Manual Qiangliled Qiangliled

Qianglil

ANGLI

Qiangliled

Qiangliled

**O**Mayer Qianglil

**製力車制** Qianglil

**Product Specification** 

Qiangliled

**Panell** Qianglil

ojangliled

roduct: Indoor Full Color P1.6 1/32 Scan Module

Item No.:

Q1.6-32S-Pro-1010

**Version:** 

2.1

No. 8065, Building E6, West Xiang'an Road, Xiang'an Torch High-Tech Industrial Zone, Xiamen, China

361100

**製力 見 Qiang**lil

E-mail: sales@qiangliled.com

Website: www.qiangliled.com







ANGLI



ANGLI







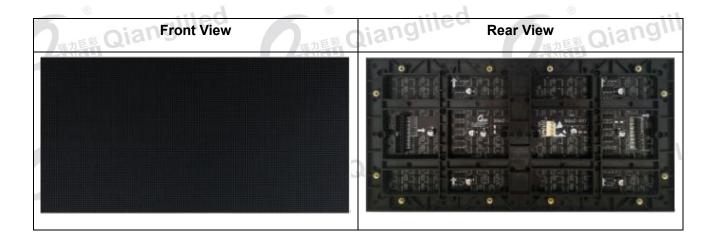






<sub>强力巨彩</sub> Qianglil

#### 1. Module Picture

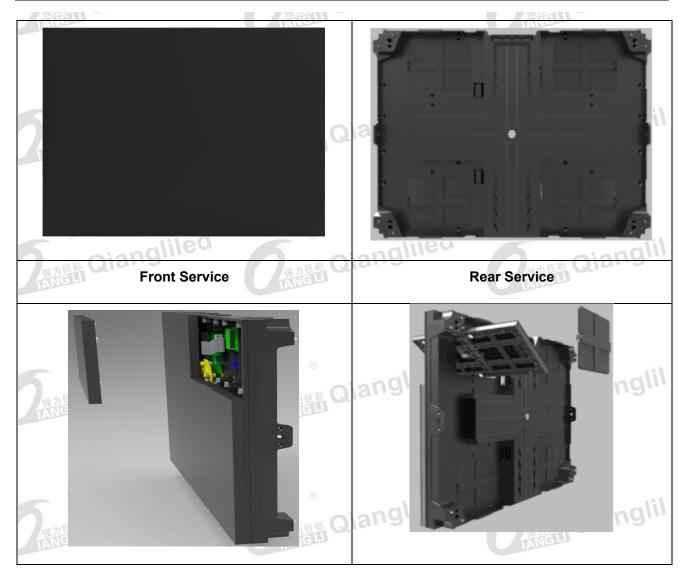


# 2. Suggestion Cabinet -(640\*480 MGLED)

Front View	born	Rear View	
oianglileu	iandlileu		oiandlil

No. 8065, Building E6, West Xiang'an Road, Xiang'an Torch High-Tech Industrial Zone, Xiamen, China 361100





### 3. Technical Specification



Qiangliled

No. 8065, Building E6, West Xiang'an Road, Xiang'an Torch High-Tech Industrial Zone, Xiamen, China 361100



MIGIL	<del></del> 8	A NGU		A HELL		
T. A.	Input Voltage (DC)	4.5±0.1V	Maximum Current	≤6.6 A		
	Power	100 W	Deixing Mathed	Constant Current		
®	Consumption	≤30 W	Driving Method	1/32 Scan		
强力巨彩 IANG LI	40A Power Supply for	3-4 pcs module	80A Power Supply for	8-10 pcs module		
	40A PFC Power Supply for	4-5 pcs module				
强力巨彩 TANGI	Cabinet Size (Width*l	Height*Thickness)	640*480*84.5mm (with module, cabinet, connecting plate)			
Table 1	Cabinet Pixel Density	Table 1	384*288=110 592 Doi	is .		
Cabinet	Cabinet Area		0.307 m²			
(MGLED)	Cabinet Weight	6	7.67kg ±0.05 kg	7.67kg ±0.05 kg		
强力巨彩 TANG LT	Cabinet Max Power 0	Consumption	≤178W			
	Average Power Cons	umption (1/3 Max)	≤59W	≤59W		
	Distribution Power (Pow	ver Supply Capacity 78%)	≤228W			
5 8	Brightness	≥600cd/m²	Brightness Uniformity	>0.95		
强力巨彩 IANG LI	Horizontal Viewing Angle	160 ±10 degree	Vertical Viewing Angle	160 ±10 degree		
	Best Viewing Distance	≥1.7 m	Black Spot Ratio	< 0.0003		
電力運動	Max Power Consumption	≤580 W/m²	Operation Environment	Indoor Qianglil		
Screen	Grayscale	14-16bits (RGB each)	Display Color	4398 Billion		
	Frame Frequency	≥60 frame/sec	Refresh Frequency	≥3840 Hz		
图图	Control Mode	Computer control,  Point-to-point	Brightness Adjustment	256-grade manual /		
TANGL	Life Span	≥100,000 hours	Average Failure Free Time	≥10,000 hours		
®	Attenuation	≤15%	Operating Humidity	10%-65%RH		

No. 8065, Building E6, West Xiang'an Road, Xiang'an Torch High-Tech Industrial Zone, Xiamen, China 361100



JEE TO THE		THE STEEL	
ANG	(3 years later)	Alle	Ante

#### 3. Signal Pin

Qiangliled

			-
1	•	•	2
3	•	•	4
5	•	•	e 2///e
7	•	•	8
9	•	•	10
11	•	•	12
13	•	•	14
15	•	•	16
17	•	•	18 glile
19	•	•	20
21	•	•	22
23	•	•	24
25	•	•	26

ed	Qiangliled			Qianglil		
Pin	Signal	Function	Pin	Signal	Function	
1	R1	Red data signal	2	G1	Green data signal	
<b>d</b> 3	B1	Blue data signal	4	GND ®	GND	
5	R2 A	Red data signal	6	G2	Green data signal	
7	B2	Blue data signal	8	GND	GND	
9	R3	Red data signal	10	G3	Green data signal	
11	B3	Blue data signal	12	GND	Qia GND	
13	R4	Red data signal	14	G4	Green data signal	
15	B4	Blue data signal	16	GND	GND	
d17	A	Line power control	18	B ®	Line power control signal	
19	C	Line power control signal	20	TANG D	Line power control signal	
21	E	Line power control	22	GND ®	GND	
23	CLK	Clock signal	24	LAT	Data locking signal	
25	OE	Enable signal	26	GND	GND	



カート Qianglile

流流 Qianglile





No. 8065, Building E6, West Xiang'an Road, Xiang'an Torch High-Tech Industrial Zone, Xiamen, China



## 4.Precautions

® Ite	em	Description
ANGT QI	Temperature requirement	Storage temperature range: -10 ° C - 30 ° C, over 30 ° C needs to do cooling treatment.  Operating temperature range: -20 ° C -40 ° C, other temperature range, need to install temperature control equipment.  Lamp surface temperature (working time):  ≤60 ° C, temperature control equipment is required to be installed when temperature exceeding the standard
® MANG II	Humidity requirement	Storage humidity range: 10% RH-60% RH, humidity over 60% RH requires dehumidification treatment.  Operating humidity range: 10% RH-65% RH, If the humidity exceeds the standard, it must be dehumidified before it can be used normally.
Environmen tal Precautions	Storage overdue processing	If the product has been stored for more than one month, need to do 6 hours of aging test before it can be used. The aging mode is: 10%Full brightness setting-1H, 30%Full brightness setting-1H, 60%Full brightness setting-2H, 80%Full brightness setting-1H, 100%Full brightness setting-1H (increase brightness gradually in aging test)
ANGTI QI	Dust-proof requirements	Indoor products have no protection level or IP30, and the display should not be exposed to heavy dusty environments, such as decoration and renovation. Special protection is required to protect the display. Installing LED display screen during decoration is strictly prohibited.
) 漫力巨彩 Qis	Avoiding corrosive gas	Corrosive gas contains salt or acid gas in the environment, may cause corrosion of electronic components, crystallization, leakage and so on.
8	Avoiding electromagne tic radiation	The display screen should not be installed in an environment where electromagnetic radiation and radio

TANGLI



/ Wife III		<b>一种的</b>
Alle		frequency radiation exceed the field strength of 5V/m interference source.
® 過力巨彩 Qi	Avoid strong light	Strong light will affect the display effect and life span of screen. It should be install in the direction where there is shorter direct sun shining.
8	Keep away from water	Indoor products have low level of protection, water can make the module short circuit, and leads to circuit device damage, so it is necessary to keep away from the water source.
强力巨彩 QIII	Electrostatic hazard, Prevent lightning strikes	The metal components of the screen, the shell of power supply and the cabinet should be grounded well, and the grounding resistance should be less than $10\Omega$ . Prevent electrostatic damage to electronic devices in humid environment, while avoiding electric leakage to harm human body.
通力巨彩 Q if	Personal injury	The angle and height of the display installation should be appropriate, and the sharp corners should be packaged to prevent damage to the human body from the tough outer casing.
ANG II Qiáng Qián	Special environment	Display screen for special environment (1, seaside, swimming pool, bathing room, basement, tunnel; 2, chemical environment, vulcanization environment, halogen environment; 3, dust, dusty environment; 4, strong ultraviolet environment; 5, the environment of strong electromagnetic fields; 6, less than -20 degrees, higher than +40 degrees of the environment), The review process is required before placing the order.
Operational	Electro-static Protection	The worker must wear an anti-electrostatic wrist strap and anti- electrostatic glove. Various tools must be strictly grounded during assembly
precautions	Product batch control	Different batches of products cannot be installed in the same screen, otherwise there will be color blocks (mosaic) on the display.





/ Exically		
TAINE	Product wiring	The module cannot be directly connected to 220V, and the module positive and negative poles connection must be right.
B ANGII QI	Disassembly and transportation	Do not throw, push, squeeze or press the module to avoid damaging the display screen.
® Panesi Qia	Disassembly and maintenance liquid protection	Sweat or other liquid cannot be dripped on the display screen during disassembly and assembly operation. If it is dripped, then use alcohol to clean the product, to prevent the liquid from corroding the product.
® Material Qia IANG II	Installation Torque Control	In connection with power supply, it is necessary to ensure tightening of terminal joint screw to prevent joint position from loosening, resulting in wire burning or product damage caused by high contact resistance. Torque of M4 screw is 6.0-8.0 Kgf.cm, and that of M3 screw is 4.0-6.0 Kgf.cm.
》	Prohibited work with electricity	It is forbidden to assemble the LED module when the power is on. The LED module should be assembled with the main power input disconnected. It is not allowed to insert the power wire
8 B	ngliled	and signal cable when there are with electricity.
强力巨彩 ANG LI	Prohibited touch with electricity	It is forbidden for people to touch the LED display screen when the LED screen is in usage, so as to avoid electrostatic breakdown of LED lights and chips and other components caused by human body friction.
ANGTI QI	Environmenta I inspection	Temperature and humidity meters should be equipped on the installation site to monitor the surrounding environment of the screen in time. After heavy rain, it is necessary to check whether there are any problems such as dampness, water droplets and over humidity in the screen in time.
	-1001111	a i a n O I I I I I I I I I I I I I I I I I I



The state of the s	100	/ E-16
® aliled	AME	Within 10% ~ 65% RH relative humidity range, it is recommended to turn on the display 1 time per day, and work at least 4 hours to remove moisture on the display.
Diangliled Qiangliled	Fixed ®	When the relative humidity of the environment is over 65% RH, dehumidification treatment should be carried out for the operating environment. It is suggested to use the screen for more than 8H per day in this environment, and
Date Qiangliled	Installation Display	doors and windows should be closed at night to prevent the display from dampness.
) Bangliled  Mangliled	Screen ®	When the display screen is not used for a long time, it is necessary to preheat and dehumidify the whole screen for 8H before using, so as to avoid damaging the lamp tube after dampness. The dehumidification
Requirement s for moisture		methods are: full brightness set 10%- 1H, full brightness set 30% 2H, full brightness
proof angliled	B 過力巨彩 MIG II	set 60% -2H, full brightness set 80% -2H, full brightness set 100% -1H (brightness gradually increasing aging).
		After usage, immediately put into flight case and seal the flight case;
Dangliled Qiangliled	® (B)	In each flight case, please put a desiccant or hygroscopic bag of not less than 50g.
TANGTI	Rental screen	In the range of 10% to 65% RH relative humidity, the screen should be lighted on more than 2H every half month; More than 65% RH and in the resurgence weather, the
Dangliled Name of the language of the languag	display:	screen must be lighted on more than 2H every week. After finished the display, need to put it back to flight case, sealed and
5 ° congliled	•	stored. (please check whether there is any failure of the desiccant or hygroscopic bag in the aviation, it needs to be replaced every 2 months, and more desiccant can increase
A LEE CHAILE	V 1 15%	Claire / I at Claire



/ Elicati		/ Effett		
Aires		ANG	the dryness inside the box.)	
® Made TANGII	angliled	® 過力巨彩 TANGU	When the display screen is not in use for a long time, it is necessary to reduce the brightness of the whole screen by 50% in advance and play it for 12 hours, and preheat it for "dehumidification" 12H to avoid damaging the light tube after the LED screen is damped.	
。	angliled	個力巨彩 IANIGU	While renting, do not touch the display screen with water. If there is any water, make sure that the water on the screen is dried. After 2H, light the display screen 2H, and evaporate the water by lamp and IC heat.	
® D  M  M  M  M  M  M  M  M  M  M  M  M	angliled	(B) 通力巨彩 INIGII	It is strictly forbidden to use indoor rental screens as outdoor rental screens, especially in the open air environment.	
	Avoid	It is strictly for	orbidden to rebuild after the installation of the	
	construction	LED display screen, so as to prevent the LED display		
	work to the	screen from being affected by the impact of high current		
(8)	installed LED	and dust, such as welding, electric saw and other		
了 <sub>强力巨彩</sub> Qiá	screen	equipment.	Qiangliled Qiangli	
Tale 1		Tara di Arabania		

Dangliled Qiangliled

Qiangliled

**Panelli** Qianglil

**D**angliled

Qiangliled

O Qianglil

No. 8065, Building E6, West Xiang'an Road, Xiang'an Torch High-Tech Industrial Zone, Xiamen, China 361100