

# OLED显示模块, OLED模组



- 自发光, 更美更薄
- 超高对比度, 画面清晰
- 快速响应, 每一瞬都鲜活
- 价格实惠, 超高性价比



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## OLED液晶模块模组系列基本功能

点阵数Dot matrix:	64x32~256x64 dots
接口interface:	SPI、I2C、Parallel
温度temperature:	-20°C~70°C
特点features:	超轻薄, 自发光, 无需背光模组。超宽视角, 几乎无视角限制。低耗电流。超高亮度, 高对比度。工作温度范围广。
显示模式 mode:	OLED发光色有白色、黄色、蓝色、天蓝色、绿色等。特殊的颜色需求像是红色/琥珀色欢迎来电咨询。

型号model	分辨率resolution	AA显示AA display size	外形尺寸(mm)Dimensions	颜色color	亮度brightness	供电Power	接口interface
0.42"	72x40	9.196x5.18mm	12x11x1.25mm	White/Blue	120cd/m2	内供	SPI/I2C
0.49"	64x32	11.18x5.58mm	14.5x11.6x1.25mm	White/Blue	180cd/m2	内供	SPI/I2C
0.50"	48x88	6.124x11.244mm	8.928x17.1x1.227mm	White	250cd/m2	内供	SPI/I2C
0.54"	96x32	12.46x4.14mm	18.52x7.04x1.22mm	White	190cd/m2	内供	I2C
0.63"	120x28	15.58x3.62mm	21.54x6.62x1.22mm	White	220cd/m2	内供	I2C
0.66"	64x48	13.42x10.06mm	16.42x16.9x1.25mm	White	190cd/m2	内供	Parallel/I2C/SPI
0.69"	96x16	17.26x3.18mm	26.3x8x1.2mm	White	120cd/m2	内供	I2C
0.69"	96x16	17.26x3.18mm	24x6.9x1.25mm	White	200cd/m2	内供	I2C
0.77"	64x128	9.26x17.26mm	12.13x23.6x1.2mm	White	180cd/m2	内供	SPI
0.87"	128x32	22.38x5.58mm	28.54x8.8x1.2mm	White	120cd/m2	内供	I2C
0.91"	128x32	22.384x5.584mm	30.0x11.50x1.2mm	White/Blue	150cd/m2	内供	I2C
0.96"	128x64	21.74x10.86mm	24.74x16.9x1.45mm	White	80cd/m2	内供	SPI/I2C
0.96"	64x128	10.86x21.74mm	14x28x1.22mm	White	100cd/m2	外供	SPI/I2C
0.96"	64x128	10.86x21.74mm	13.62x27.9mm	White	80cd/m2	外供	SPI/I2C
0.96"	128x64	21.744x11.204mm	26.70x19.26x1.45mm	Blue/Yellow	150cd/m2	内供	Parallel/I2C/SPI
1.09"	64x128	10.86x25.58mm	14x31.96x1.22mm	White	120cd/m2	内供	SPI
1.12"	96x96	20.14x20.14mm	27x30.1mm	White	80cd/m2	外供	Parallel/I2C/SPI
1.29"	128x64	29.42x14.7mm	32.42x21.36mm	White	80cd/m2	内供	Parallel/I2C/SPI
1.30"	64x128	14.7x29.42mm	17.1x35.8mm	White	120cd/m2	外供	SPI/I2C
1.32"	128x96	26.86x20.14mm	32.5x29.2x1.61mm	White	100cd/m2	外供	Parallel/I2C/SPI
1.50"	128x128	26.86x26.86mm	33.8x36.5x1.41mm	White/Yellow	100cd/m2	外供	Parallel/I2C
1.54"	128x64	35.052x17.516mm	42.04x27.22x1.4mm	White	100cd/m2	外供	Parallel/I2C
2.23"	128x32	55.02x13.1mm	62x24 x2.0mm	White/Blue/Yellow	100cd/m2	外供	Parallel/I2C/SPI
2.4"	128x64	55.01x27.49mm	60.5x37.0x2.0mm	Yellow	90cd/m2	外供	Parallel/I2C/SPI
2.42"	128x64	55.01x27.49mm	60.5x37mm	White/Blue/Yellow	90cd/m2	外供	Parallel/I2C/SPI
2.7"	128x64	61.41x30.69mm	73x40.24x2.0mm	White/Blue/Yellow	90cd/m2	外供	Parallel/I2C/SPI
3.12"	256x64	76.78x19.18mm	88x27.8mm	White/Blue/Yellow	80cd/m2	外供	Parallel/SPI

在工业应用中, 使用OLED (有机发光二极管) 技术的显示屏具有一些显著的优势, 这些优势使其在特定场景中更为受欢迎:

- 高对比度和鲜艳颜色:** OLED屏幕能够提供高对比度和鲜艳的颜色, 这对于在工业环境中准确显示数据和图像非常重要。
- 快速响应时间:** 工业应用通常需要显示快速变化的数据, OLED屏幕的快速响应时间有助于减少运动模糊, 确保数据的准确性。
- 广视角:** 在工业设置中, 操作人员可能会以不同的角度查看屏幕。OLED显示屏提供广泛的视角, 确保从多个角度都能清晰地看到显示内容。
- 自发光和无需背光:** OLED屏幕无需背光源, 这降低了能耗并简化了设计。在一些需要轻便和便携的工业设备中, 这一点尤为重要。
- 超薄和柔性设计:** OLED显示屏可以制造成非常薄的面板, 适用于一些对空间有限的工业设备。柔性设计还允许它适应曲面或不规则形状。
- 高分辨率:** 对于一些需要显示详细信息的工业应用, 高分辨率是至关重要的。OLED屏幕能够提供清晰、细致的图像。
- 低功耗:** 在显示黑色时, OLED只有亮度调制的像素会消耗电力, 因此在显示深色场景时, 功耗相对较低。这有助于延长设备的电池寿命。
- 抗震抗振:** OLED屏幕没有液晶层, 相对较为耐用, 对震动和振动的抗性较强, 适合一些工业环境较为恶劣的场景。

# OLED display module, OLED module



- Self-luminous, more beautiful and thinner
- Ultra-high contrast, clear picture
- Quick response, every moment is vivid
- Affordable price, super cost-effective



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## Basic functions of OLED LCD module series

Dot matrix:	64x32~256x64 dots
Interface:	SPI、I2C、Parallel
Temperature:	-20°C~70°C
Features:	Ultra-thin, self-luminous, no backlight module required. Ultra-wide viewing angle, almost no viewing angle restrictions. Low current consumption. Ultra-high brightness, high contrast. Wide operating temperature range.
Mode:	OLED light-emitting colors include white, yellow, blue, sky blue, green, etc.Special color requirements such as red/amber are welcome to call us.

model	resolution	AA display size	(mm)Dimensions	color	brightness	Power	interface
0.42"	72x40	9.196x5.18mm	12x11x1.25mm	White/Blue	120cd/m2	built-in	SPI/I2C
0.49"	64x32	11.18x5.58mm	14.5x11.6x1.25mm	White/Blue	180cd/m2	built-in	SPI/I2C
0.50"	48x88	6.124x11.244mm	8.928x17.1x1.227mm	White	250cd/m2	built-in	SPI/I2C
0.54"	96x32	12.46x4.14mm	18.52x7.04x1.22mm	White	190cd/m2	built-in	I2C
0.63"	120x28	15.58x3.62mm	21.54x6.62x1.22mm	White	220cd/m2	built-in	I2C
0.66"	64x48	13.42x10.06mm	16.42x16.9x1.25mm	White	190cd/m2	built-in	Parallel/I2C/SPI
0.69"	96x16	17.26x3.18mm	26.3x8x1.2mm	White	120cd/m2	built-in	I2C
0.69"	96x16	17.26x3.18mm	24x6.9x1.25mm	White	200cd/m2	built-in	I2C
0.77"	64x128	9.26x17.26mm	12.13x23.6x1.2mm	White	180cd/m2	built-in	SPI
0.87"	128x32	22.38x5.58mm	28.54x8.8x1.2mm	White	120cd/m2	built-in	I2C
0.91"	128x32	22.384x5.584mm	30.0x11.50x1.2mm	White/Blue	150cd/m2	built-in	I2C
0.96"	128x64	21.74x10.86mm	24.74x16.9x1.45mm	White	80cd/m2	built-in	SPI/I2C
0.96"	64x128	10.86x21.74mm	14x28x1.22mm	White	100cd/m2	External	SPI/I2C
0.96"	64x128	10.86x21.74mm	13.62x27.9mm	White	80cd/m2	External	SPI/I2C
0.96"	128x64	21.744x11.204mm	26.70x19.26x1.45mm	Blue/Yellow	150cd/m2	built-in	Parallel/I2C/SPI
1.09"	64x128	10.86x25.58mm	14x31.96x1.22mm	White	120cd/m2	built-in	SPI
1.12"	96x96	20.14x20.14mm	27x30.1mm	White	80cd/m2	External	Parallel/I2C/SPI
1.29"	128x64	29.42x14.7mm	32.42x21.36mm	White	80cd/m2	built-in	Parallel/I2C/SPI
1.30"	64x128	14.7x29.42mm	17.1x35.8mm	White	120cd/m2	External	SPI/I2C
1.32"	128x96	26.86x20.14mm	32.5x29.2x1.61mm	White	100cd/m2	External	Parallel/I2C/SPI
1.50"	128x128	26.86x26.86mm	33.8x36.5x1.41mm	White/Yellow	100cd/m2	External	Parallel/I2C
1.54"	128x64	35.052x17.516mm	42.04x27.22x1.4mm	White	100cd/m2	External	Parallel/I2C
2.23"	128x32	55.02x13.1mm	62x24 x2.0mm	White/Blue/Yellow	100cd/m2	External	Parallel/I2C/SPI
2.4"	128x64	55.01x27.49mm	60.5x37.0x2.0mm	Yellow	90cd/m2	External	Parallel/I2C/SPI
2.42"	128x64	55.01x27.49mm	60.5x37mm	White/Blue/Yellow	90cd/m2	External	Parallel/I2C/SPI
2.7"	128x64	61.41x30.69mm	73x40.24x2.0mm	White/Blue/Yellow	90cd/m2	External	Parallel/I2C/SPI
3.12"	256x64	76.78x19.18mm	88x27.8mm	White/Blue/Yellow	80cd/m2	External	Parallel/SPI

OLED displays are popular in industrial environments due to their high contrast ratio, bright colors, fast response time, wide viewing angle, self-illumination, ultra-thin flexible design, high resolution, low power consumption, and resistance to shock and vibration.

Please consult our staff for detailed product information before making a purchase. The ultimate interpretation authority belongs to our company.