

# Model Name: CY156A-LCD

**Issue Date: 2023/10/05**

**(\*) Preliminary Specifications**

**( ) Final Specifications**

Customer Signature	Date	CY	Date
Approved By _____		Approval By _____ Alex Chen _____	
Note	Reviewed By _____ James Chen _____		
	Prepared By _____ Luna Chen _____		

### Record of Revision

Version	Date	Page	Description
1.1	2023/10/05	All	First Version Released

## CY156A-LCD

### 15.6" LCD

#### 1. Features:

- **Pure flat design, touch without dead angles**

The flat design of the front panel not only effectively protects against dust and splashes, but also allows precise touch in the corners.

- **Original HD screen**

Original LCD screen, better quality, using high-definition backlight technology, High contrast, mild and full colors, superior experience.

- **Precise touch is more responsive**

Using the original touch screen, high resolution, more responsive, the number of clicks is as high as more than 50 million times.

#### 2. Outline:



### 3. Specifications:

LCD screen technical parameters	Display size	15.6 inches	
	Display scale	16 : 9	
	Backlight type	LED	
	Pixel size	0.17925×0.17925 mm	
	Display area	Horizontal: 344mm Vertical: 194mm	
	Optimal resolution	1920 × 1080@ 60 Hz	
	Response time	5ms	
	Color	16.7 million	
	Brightness	300 cd/m2	Highlight (optional).
	Contrast (Standard value)	1000:1	
	Viewing angle	89/89/89/89 (Typ.) (CR≥10)	
Touch screen technical parameters	Touch screen type	Capacitive touch screen	
	Cover glass	2.4mm	
	Touch screen light transmittance	87%	
	Surface hardness	7H	
	Touch points	10	
	Touch reaction time	≤10 ms	
	Touch method	Finger / capacitive pen	
	Single touch life	≥ 50 million times	
	Touch linearity	< 2%	
	Point OS	Windows XP · Linux	
Multipoint operating system	Windows7/8/10 · Android		
Technical parameters of the whole machine	Overall dimensions	Fully enclosed 392 ×242 ×51.5 mm/heat dissipation 392 ×242 ×48.5 mm	
	Opening size	385.5 ×235.5 mm	
	Heavy	Net weight: 3.2KG PACKAGE WEIGHT (PLUS ACCESSORIES): 4.2KG	
	Video input format	RGB analog / digital	
Input interface of the whole machine	VGA+HDMI / DC12V / USB2.0		

	OSD console Optional accessory	Switch, Menu, Up, Automatic, Down	
	Power input	DC 12V 3A	
	Power rate	Maximum power consumption: 10W; Standby power consumption: 3W; Power consumption: 2W	
	Installation method	Side mounting bracket / VESA 75mm & 100mm	
	Attachments	Signal line	HDMI cable 19pin, male to male, 1.8 m
	(Optional according to customer needs)	USB cable	A male to B male, 1.8 m
		adapter	12V/3.0A, 105mmx50mmx32mm, cable length 1.1 m, ϕ2.0, black
		Power cord	CCC standard power cord, medium, 1.8 m, black
	Whole machine certification	3C CE FCC ROHS	
	Ambient temperature	Operating: 0°C-50°C; Storage: -20 °: -C-60°C	Wide temperature (optional).
	Ambient humidity	Working: 20%-80%; Storage: 10%-90%.	
	Operate altitude	< 3000 m	
	Warranty period	1 years	

#### 4. The description Of screen level :

##### Rating of display screens:

- A+ (no spots, no spots) Perfect screen, no spots and no spots
- Class A: The number of dead pixels in the panel is within five is Class A
- Grade B: More than five and less than ten are considered grade B
- Class C: If the number of dead pixels is more than ten, it is classified as grade C

According to the industry's default standards, "dead pixels" is a "normal" phenomenon, because the LCD panel is composed of more than one million transistor components, as

long as one of the transistors does not act will produce dead pixels, to the current semiconductor process technology, a certain number of bright spots or dark spots is a characteristic of LCD display technology, for any manufacturer, such a phenomenon is inevitable.

The screens used in the company's products are all A-gauge screens, such as three bright spots or three dark spots, the total number of bright spots and dark spots  $\leq 5$ , all of which are normal qualified products. If you have requirements for screen level and need an A+ screen, please communicate with the business first, and the customer service will confirm that it is correct before purchasing.

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