

Yexian Technology

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Universal Display Module UIM

One of the most important features of our products is that the parameters of the products can be set. In most cases, you can connect the computer to the serial port of the product and use the host computer software to set it.

Sometimes, it is not convenient to connect a computer, so a solution without a computer is needed. The display module UIM can complete this function. In order to achieve this function, almost all of our products provide a basic menu system, and UIM can display the menu.

The menu content is determined by the specific product, and UIM is only responsible for displaying the key messages. Therefore, UIM is universal, and the displayed content is determined by the product.

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Comparison of UIM, UIME and UIMP

	UIM	UIME	UIMP
Chinese name	Universal display module	Digital tube display module	Color display module
Display component ¹	12864 monochrome LCD screen	Digital tube	Color IPS screen
Display content	The English or Chinese content is fixed and cannot be customized	Two lines of numbers associated with parameters, decimal point position can be customized	Chinese and English, startup pictures, icon content customization
Viewing Angle	narrow	wide	wide
Multiple slave computers support	Support but inconvenient	Support, more convenient	Powerful, seamless display
Usability ²	Simple, plug and play	Generally, simple configuration is required	Difficult, requires complex configuration first
Configuration software		EasyHost	UIMPEditor: UI editing EasyCom: UI download to UIMP
Additional Features		Software and hardware triggers	Scripts (temperature profile loops, etc.)
Applicable Users	User's own use	Encapsulate module functions and display content for third-party use	Encapsulate module functions and display content for third-party use
Main Features	Plug and Play	Minimalist display	Powerful and high-end

Note 1: Resolution is version dependent, please refer to the data sheet

Note 2: This usability refers to the configuration and use of the display module itself. Once the UIMP is configured, it is more convenient to use.

Instructions

UIM contains LCD screen, LED indicator light, knobs and buttons.

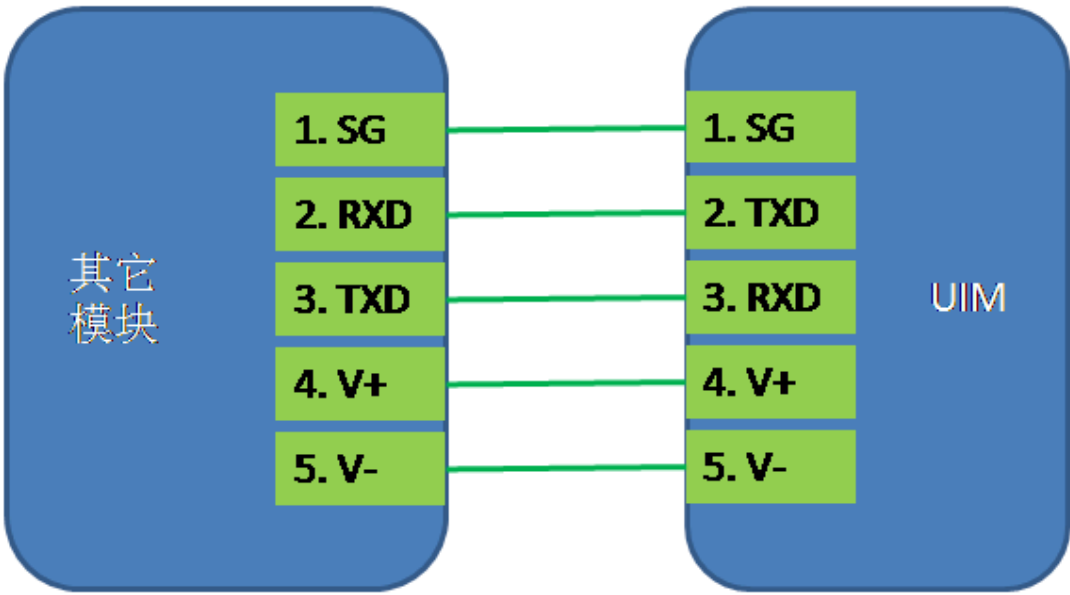
LCD screen displays the menu;

LED indicator shows the status;

By using the knob + button, the user can select different menu lines and modify the parameter values of the selected menu. For specific methods, see the user manual.

Interface Description

UIM is connected to other products of our company through serial port. It adopts 5-pin PH2.0 interface. A 5-pin direct connection cable is provided in the package, which can be directly connected to UIM and UI RS232 socket of other modules.

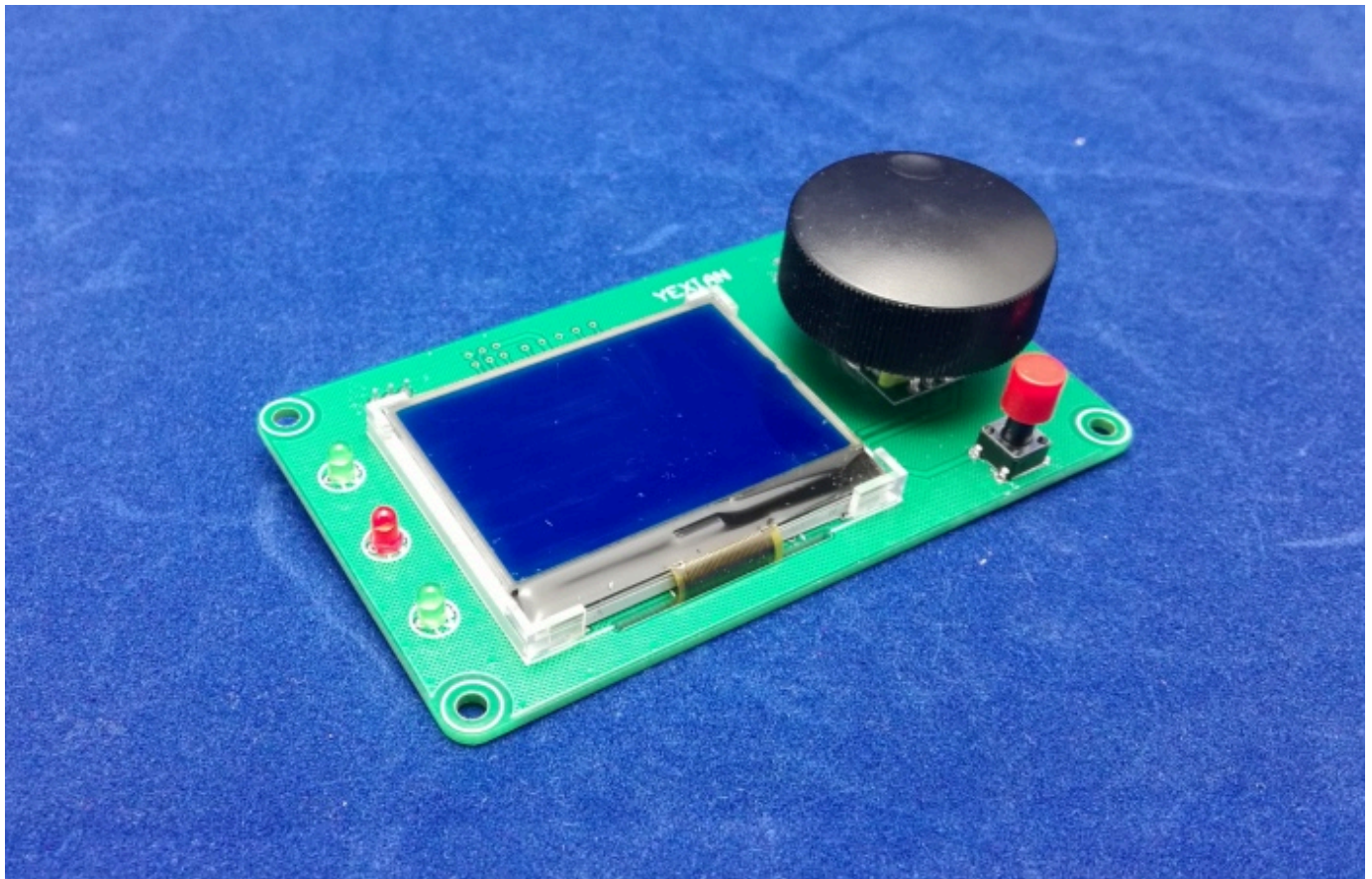


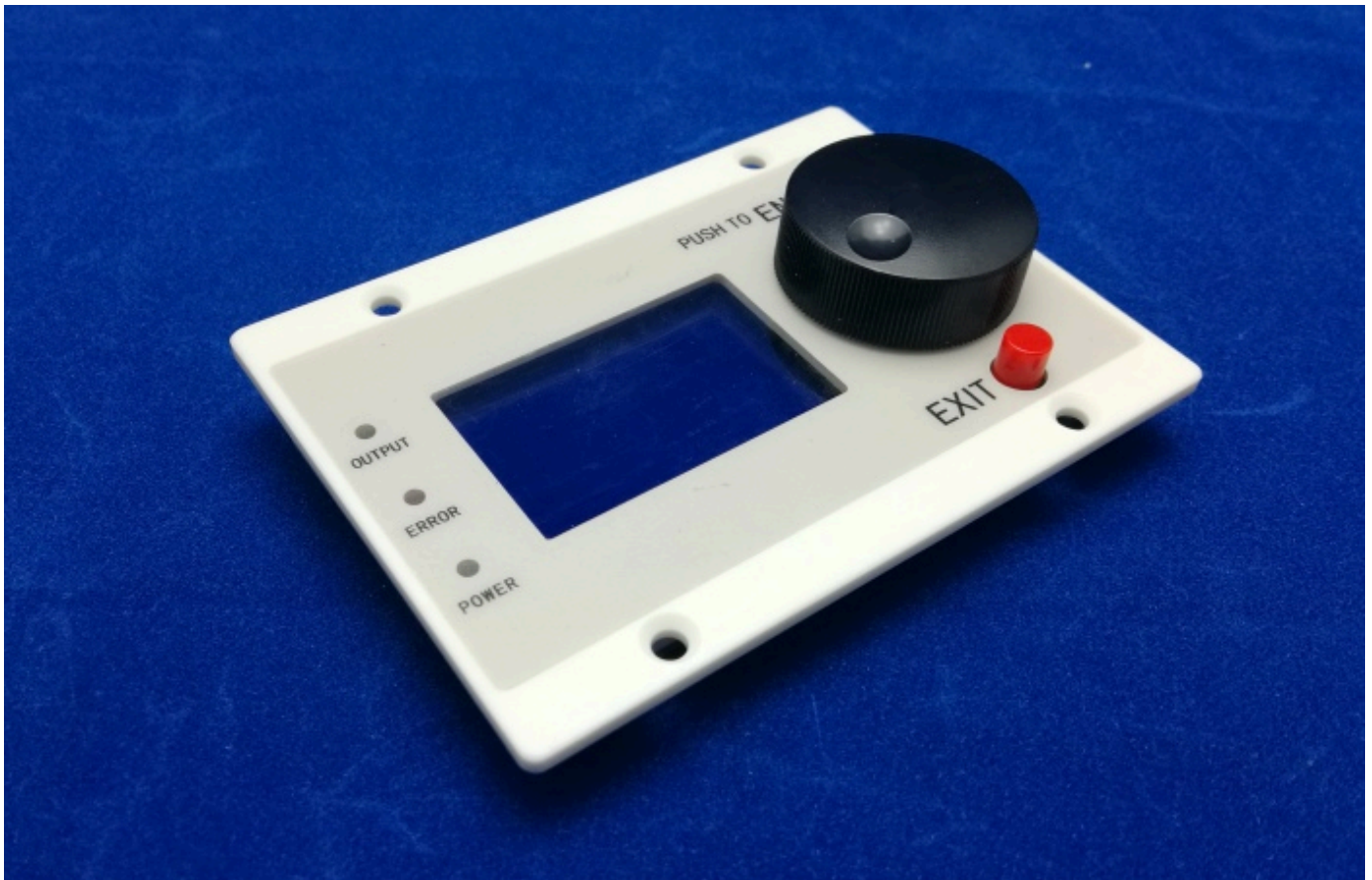
Three appearances

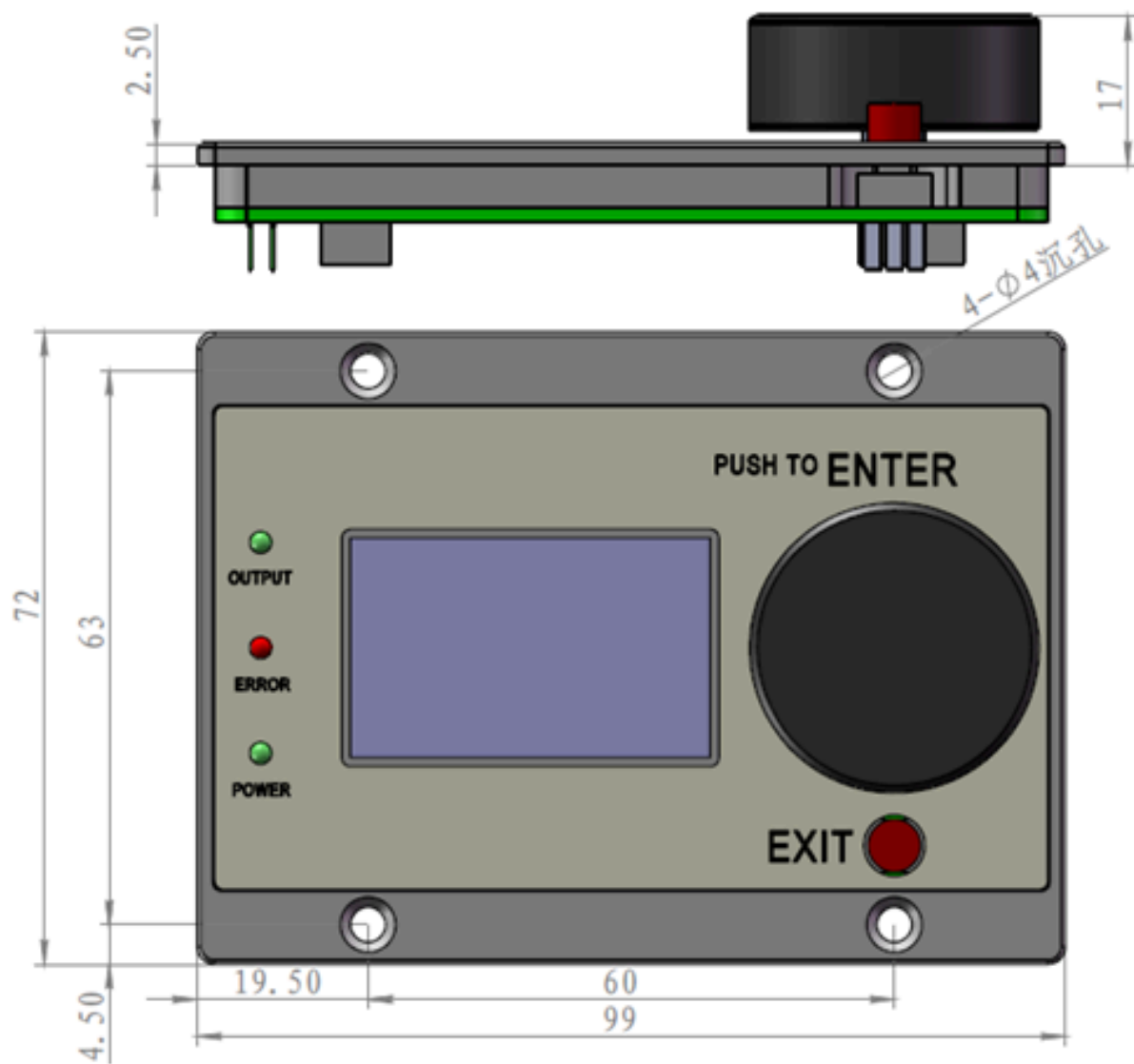
UIM is the same internally, but has three appearances to facilitate different usage scenarios.

	Appearance Features	Applicable occasions
UIM-1.8	Bare board	Users find a way to install it
UIM-1.8-A	With an ABS mounting plate	Through the panel installation, very convenient
UIM-1.8-B	With 1 plastic case	Handheld use

UIM-1.8



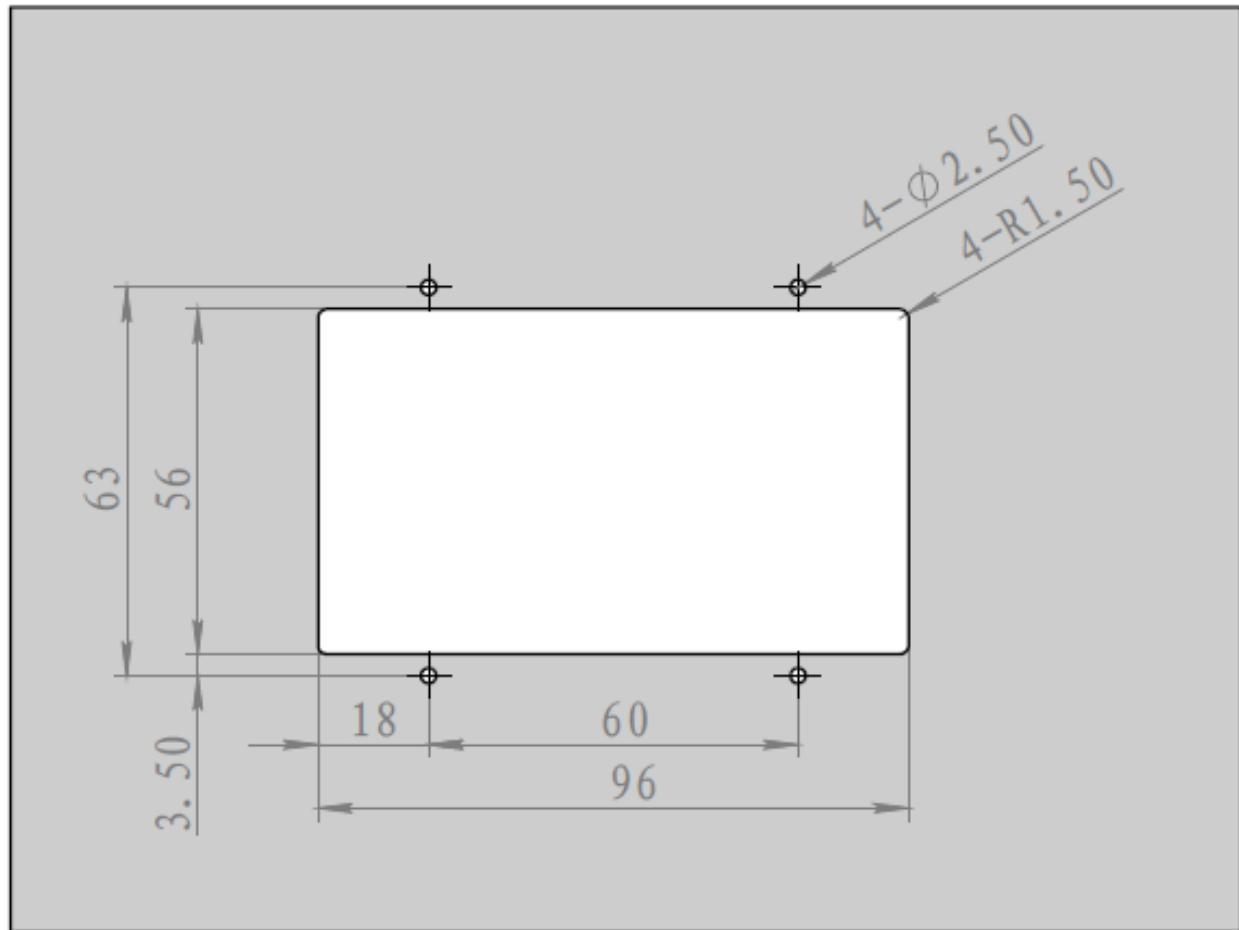




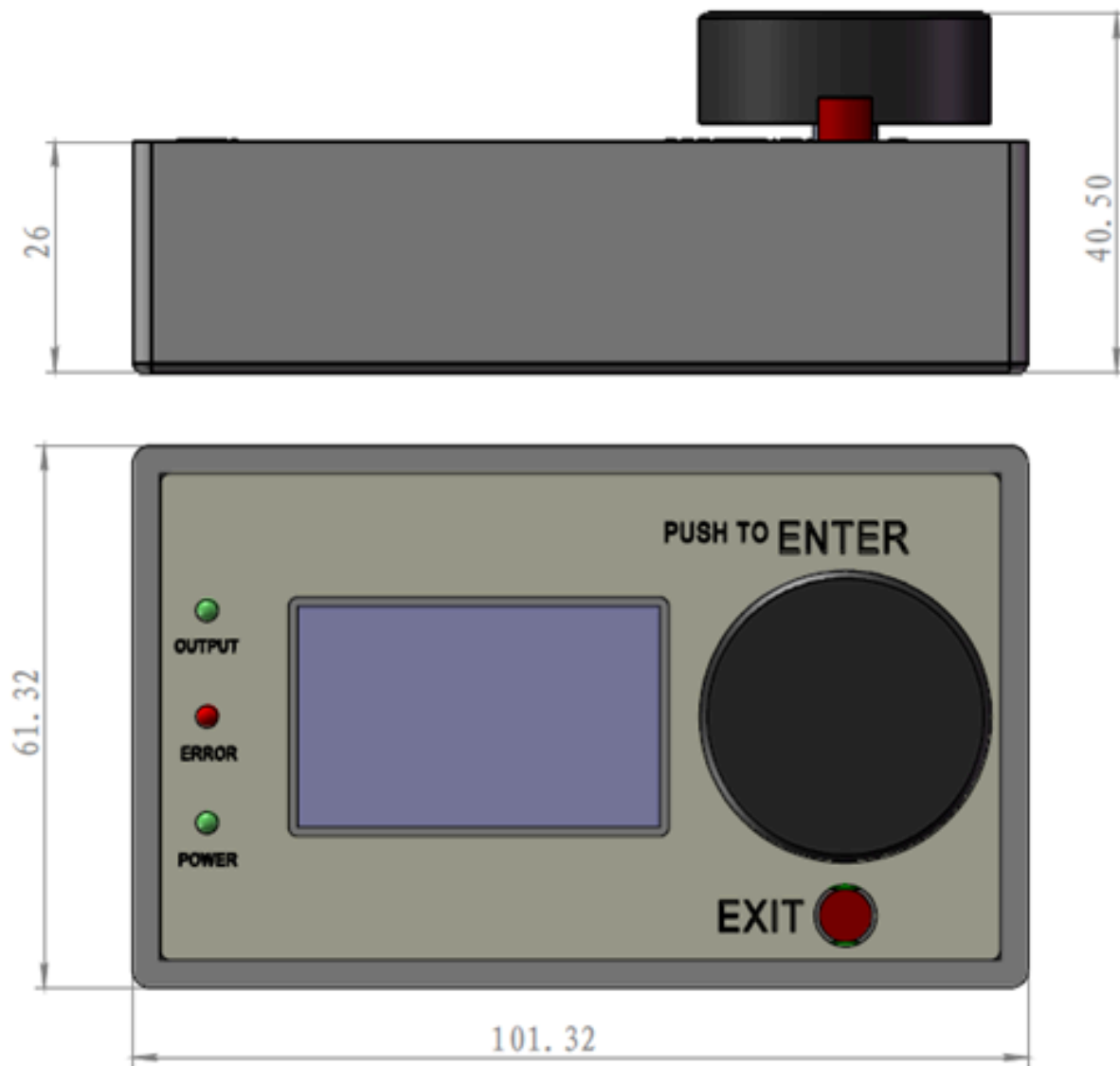
The installation effect is as follows:



The method of punching holes on the chassis panel is as follows (installed by 4 M3 countersunk self-tapping screws):

**UIM-1.8-B**





Technical Documentation

- [Display Module UIM Data Sheet](#)
- [Display Module UIM User Manual](#)
- [UIM parameters Chinese and English comparison](#)

Taobao Link

- UIM

Similar products

- [Digital tube display module UIME](#)

- [Color screen customizable display UIMP](#)

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