

“Core” Setting off to the future

Coolmay 80 series PLC all-in-one , HMI



New product release

/ Coolmay80 series PLC all-in-one , HMI

EX3G-80H series

PLC all-in-one



TK 80 series

HMI



/TK80 series HMI

Coolmay's newly launched TK80 series touch screen adopts a mature hardware design scheme, equipped with an efficient Cortex A7 processor, with a main frequency of 1GHz and a running memory of up to 256MB. It is compatible with existing product hole sizes and paired with a new Vcool configuration software editing software, making the TK80 series smooth, efficient, convenient, and durable.

Cortex A7 processor

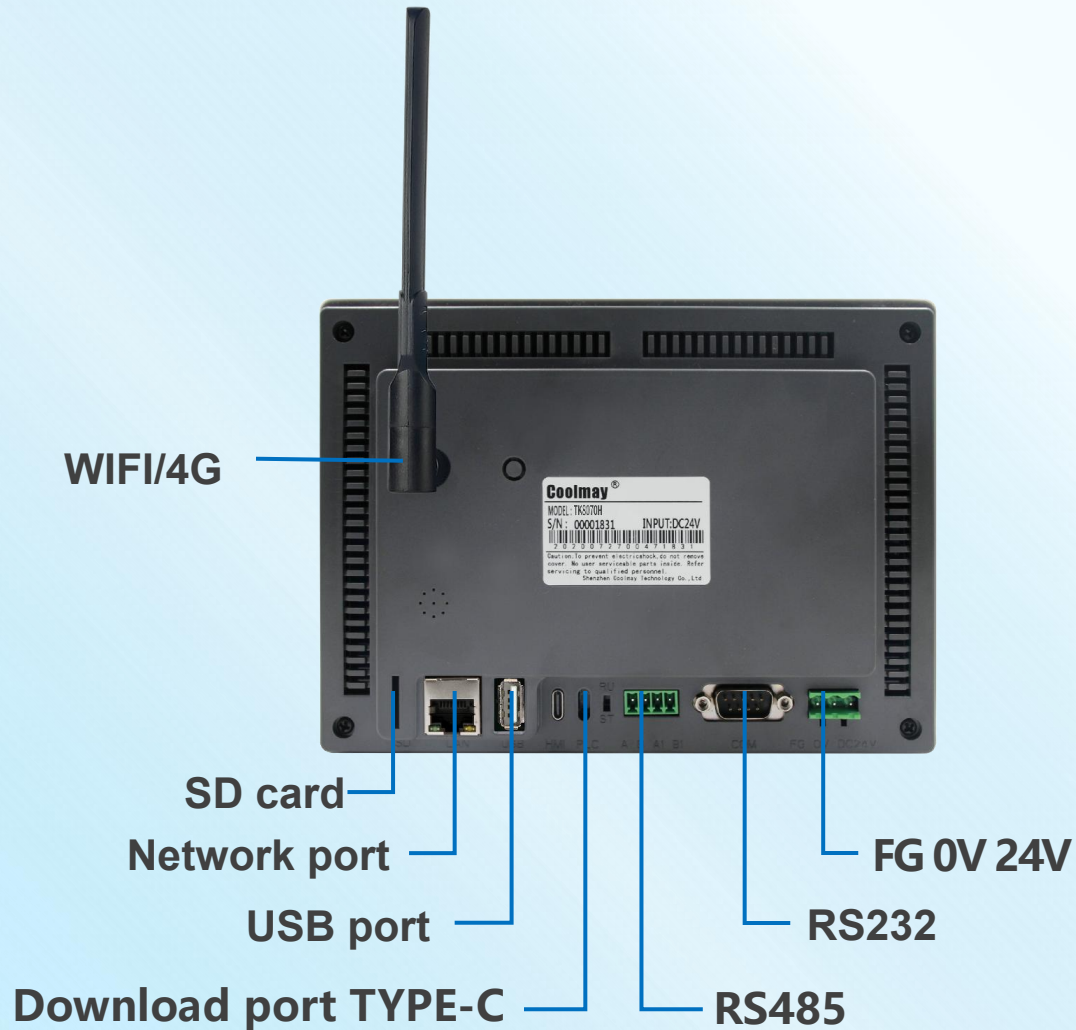
New Vcool configuration software

**Main frequency
1GHz**

**Memory up to
256MB**



/ Rich interfaces and remote control

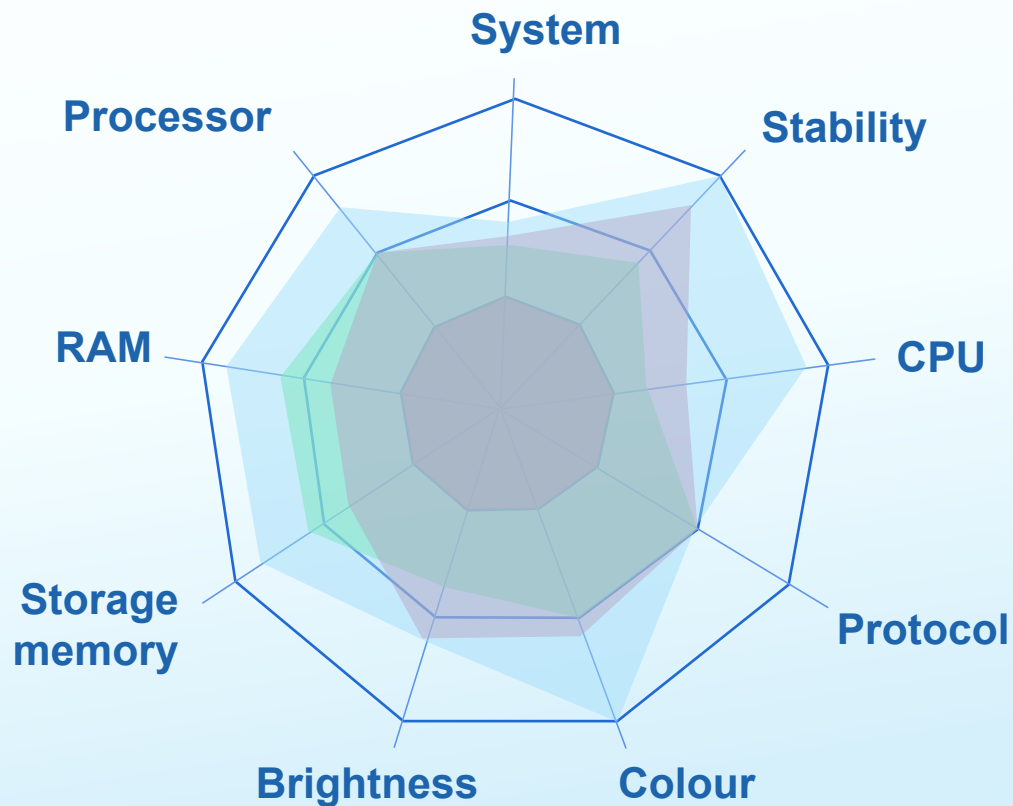


- U disk encrypted download: You can directly use the U disk to download touch screen programs/PLC programs without going through a computer;
- Comes with Ethernet port;
- Optional WiFi expansion module to imagine IoT functions;
- Optional SD card.



/ Excellent performance and rich functions

- Coolmay TK80 HMI
- Coolmay TK60 HMI
- Products with the same price on the market



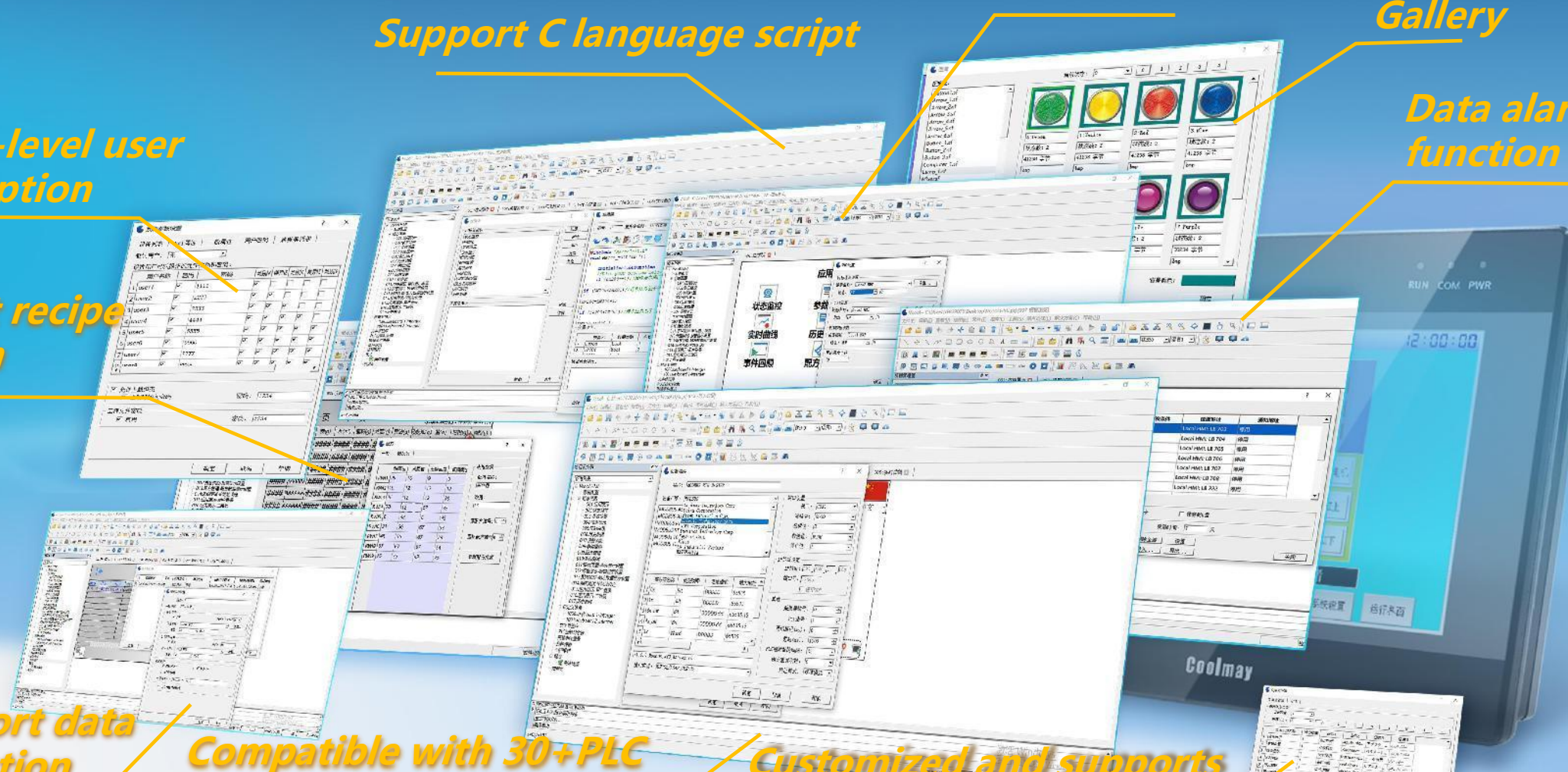
CoolmayTK80 HMI

- A7 processor, main frequency 1GHz
- Support external USB storage
- Dual core operation: using high capacity 256MB FLASH+256MB DDR3,
- 450cd/m²
- 0-100 brightness adjustable
- 1677W True Color
- Type-C
- RS485 * 2
- RS232
- Network port supports MODBUS protocol
- Free mouth
- Conventional PLC communication protocol
- Support penetration function

CoolmayTK60 HMI

- Support external USB storage
- FLASH+64,
- 400cd/m²
- 65536 True Color
- Type-C
- RS485
- RS232
- Network port supports MODBUS protocol
- Free mouth
- Conventional PLC communication protocol

Vcool configuration software Smooth process



Built-in PID

Gallery

Data alarm function

Support C language script

Multi-level user encryption

Support recipe function

Support data collection

Compatible with 30+ PLC communication protocols

Customized and supports nearly 200 languages

The image displays a collage of various Vcool software interface windows. These windows include: a main configuration screen with multiple tabs and a tree view; a 'Gallery' window showing a grid of colored circular indicators (green, yellow, red, blue, purple); a 'Data alarm function' window with a list of alarm parameters; a 'Support C language script' window showing code snippets; a 'Multi-level user encryption' window with a table of user permissions; a 'Support recipe function' window with a table of recipe data; a 'Support data collection' window with a table of data points; a 'Compatible with 30+ PLC communication protocols' window with a list of protocols; and a 'Customized and supports nearly 200 languages' window with a list of languages. A physical device, likely a PLC or HMI, is shown on the right side of the collage, displaying a digital clock and some text. The overall theme is the versatility and functionality of the Vcool configuration software.

/ Choose coolmayTK80 series HMI

5 REASONS

Dual core
operation

One-click
configuration

U disk
download

C language
script

Flexible
customization



/ EX3G-80H series PLC all-in-one

EX3G-80H series high-performance PLC all-in-one machine

Using coolmay's new TK80
series touch screen

Fast CPU processing speed
and large program capacity

Outstanding programming efficiency

It is an ideal choice for small and
medium-sized automation control

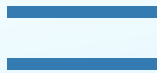


/ Highly integrated, reducing costs increasing efficiency

- Deengineering design, saving 50% hardware costs
- Integrating logic control, touch screen, and analog input/output functions
- Exquisite appearance and 60% reduction in volume



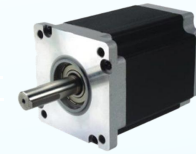
PLC all-in-one



HMI



PLC



High speed pulse



High speed counting



Analog input



Analog output



485 communication module



WIFI module



Network module

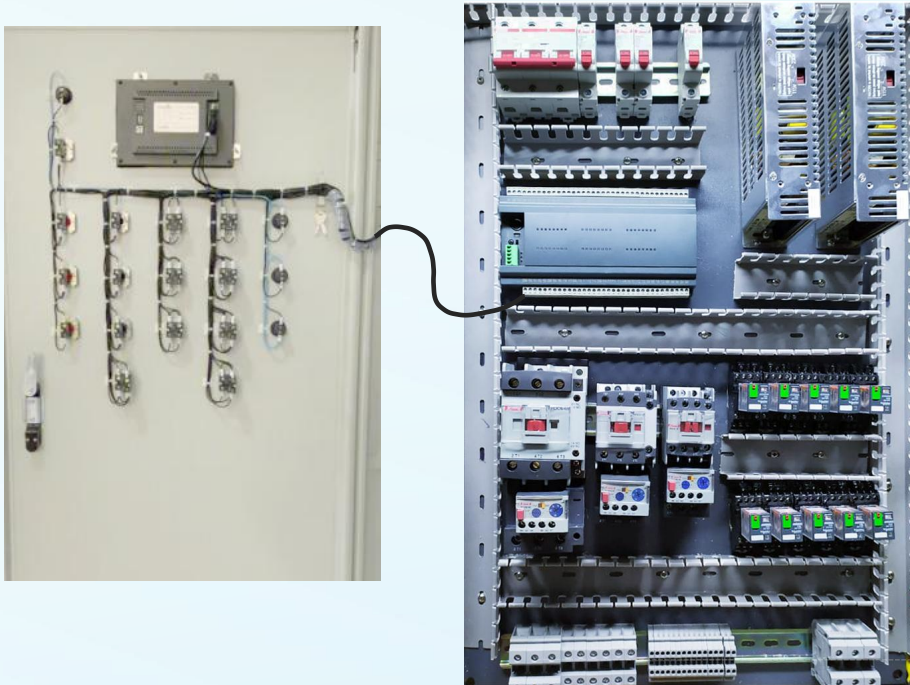


Weighing module



/ Easy installation and cost saving

- Reduce wiring, simplify control cabinet and save space
- Save costs, no need to add additional accessories such as cables, slots, guide rails, etc.
- Easily, just lock it with the screws provided

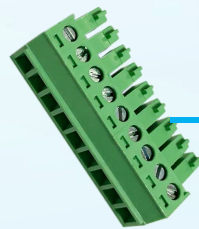


/Zero travel after retail

- All problems can be solved with just two steps of plugging and unplugging, no travel expenses required.

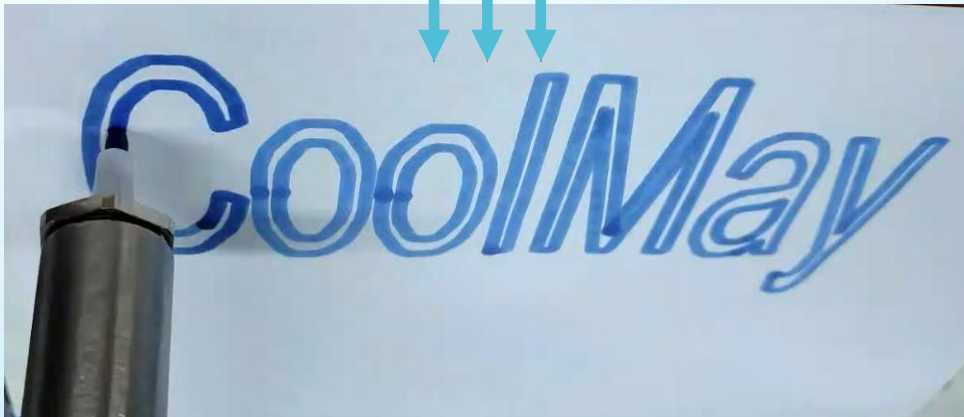
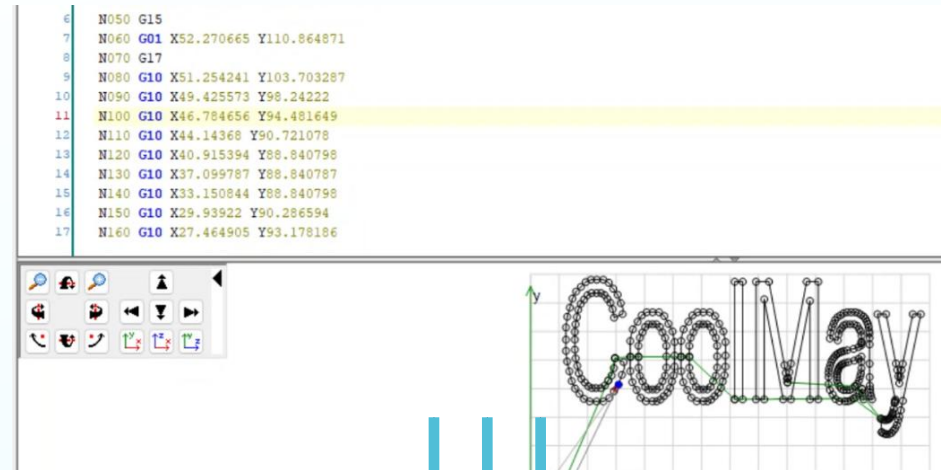


Pluggable terminals for
simple and easy wiring



/ Excellent performance and powerful functions

- One-click configuration expansion function (built-in PID, cam, G code, weighing)
- Supports interruption, linear arc interpolation



Main frequency
1GHz

Cortex A7
processor

Memory up to
256MB

Dual core
operation

1677W
true color

High-
resolution

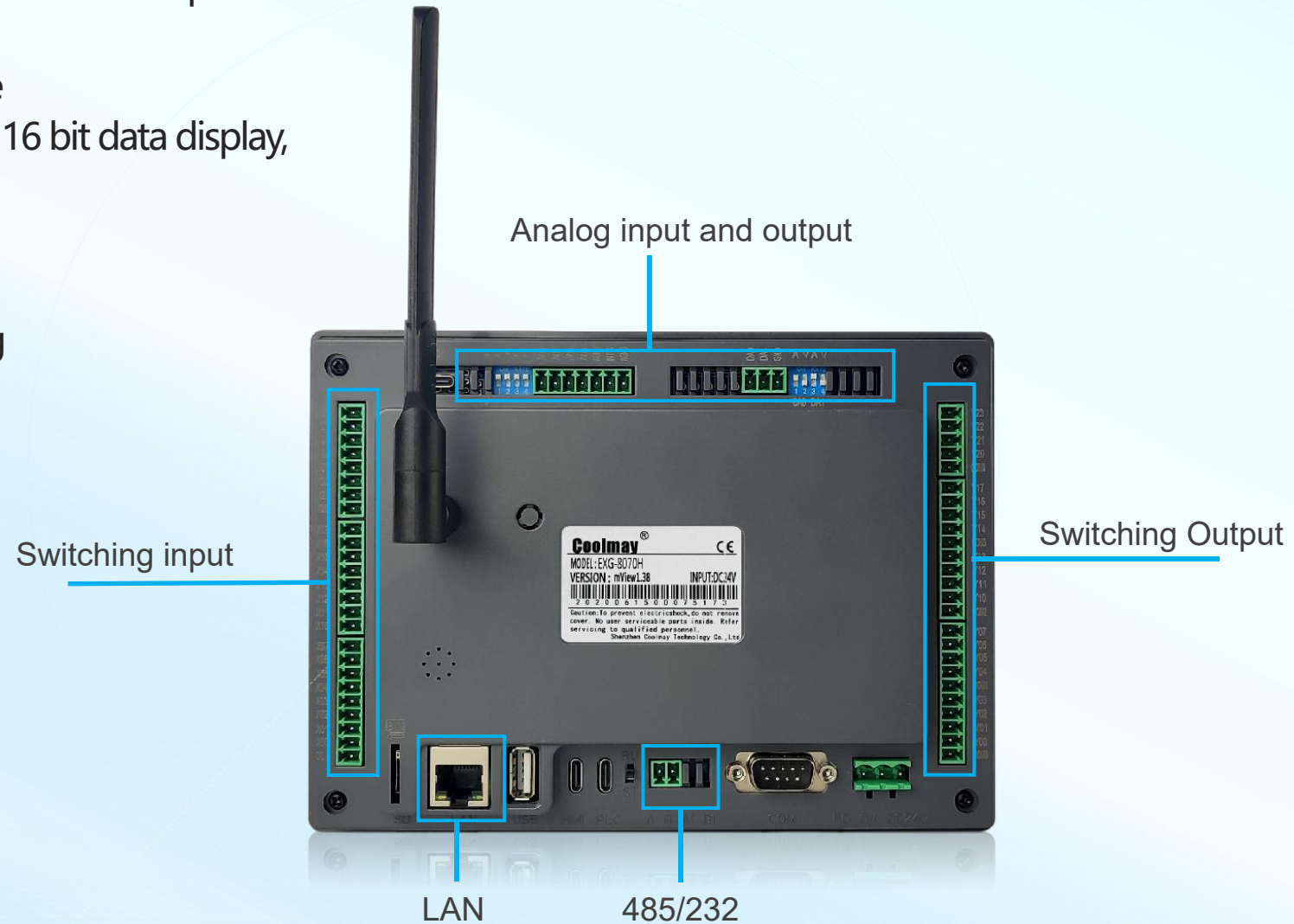
32K step program capacity,
32K power-down holding
registers

Powerful
function



/ Excellent performance and powerful functions II

- Supports penetration, only one data cable is needed to complete uploading and downloading
- One click upgrade of PLC program on USB drive
- Optional isolation analog quantity, upgraded to 16 bit data display, 24 bit high-precision sampling, more reliable
- Optional SD card
- Optional WIFI/4G module
- Optional BG200 gateway for remote monitoring

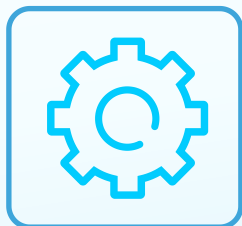


/ Easy customization to meet customer needs

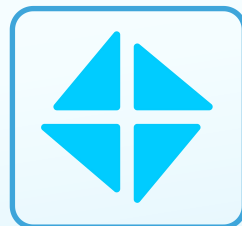
- **Hardware customization:** switching value, analog quantity, thermocouple, communication port
- **Function customization:** temperature control, weighing and other functions
- **Appearance customization:** Unmarked panels, customized panels
- **Software customization:** Program interface and startup screen



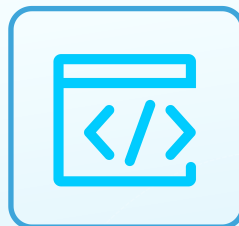
**Hardware
customization**



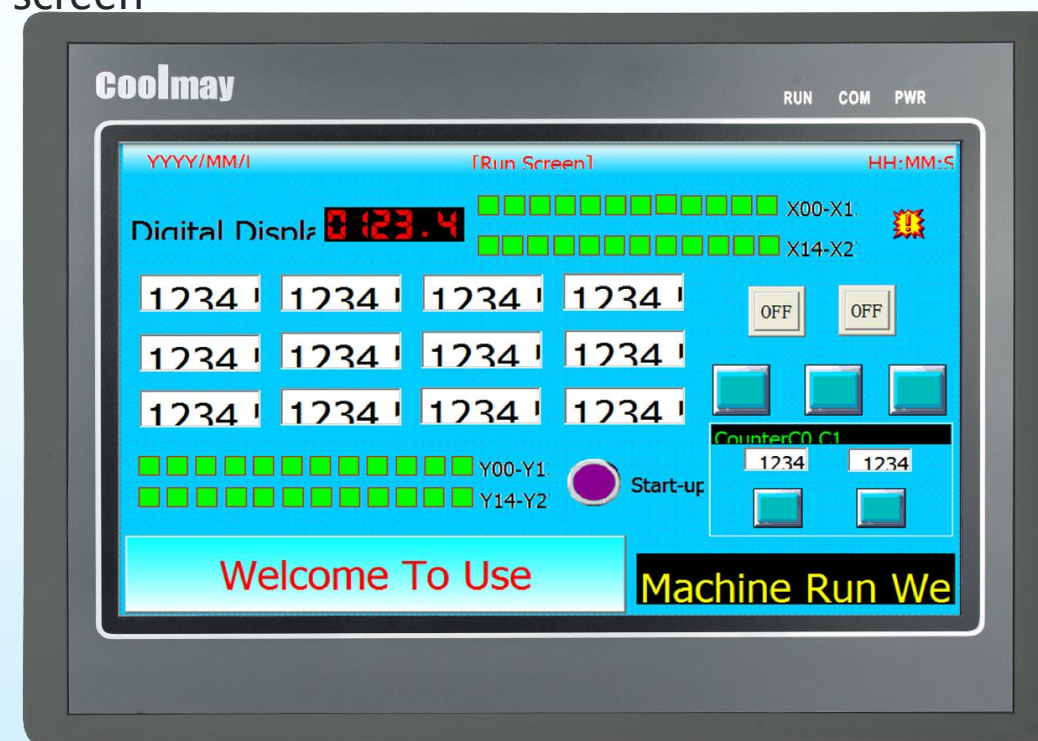
**Appearance
customization**



**Function
customization**



**Software
customization**



THANKS



SHENZHEN COOLMAY TECHNOLOGY CO., LTD.