

Expert in automation solutions,
customize your own automation control system.



TK series Human Machine Interface

Stable & Reliable HMI products and automation solutions that are easy to use



Aliexpress official store



Alibaba official store

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TK series is suitable for various complex industrial application environments.



Original built-in PLC function (optional)



HMI download PLC program, internal communication.



Support cloud service platform



IO module



Analog module



Valve terminal module

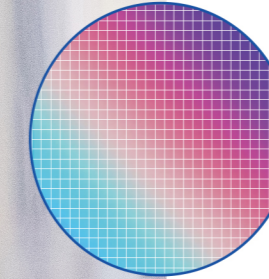


Embedded fuselage



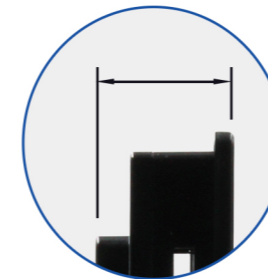
Simple appearance, classic color matching

Simple appearance, classic color matching, minimalist design, add points to the appearance of your device.



65K TFT

Brand new high-brightness, high-contrast display LCD, providing colorful operation interface.



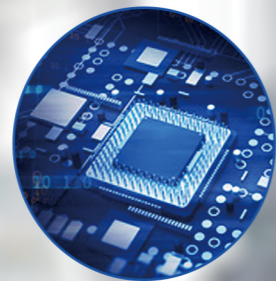
thin and light embedded

can be easily installed in various complex industrial application environments



Optional WIFI

802.11b / g / n wireless communication standard protocol; convenient upload / download function of configuration software via network cable



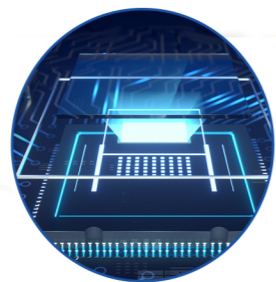
Conformal coating protection for motherboard

In various harsh industrial environments, it is more effective against shock, moisture, high and low temperature, and chemical corrosion.



Integrated rich industrial interfaces

RS232, RS485, USB2.0, WIFI, Ethernet



Onboard 408MHz high performance 32Bit industrial grade CPU

has fast running speed, high data processing efficiency and strong anti-interference ability.



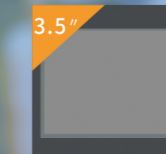
Panel protection grade: IP65



CE certificate



Compliant with FCC Class A



(Wall installation)

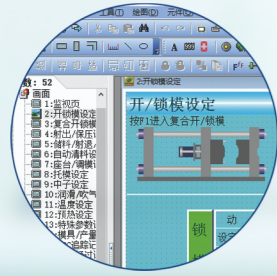
Multiple sizes available(3.5"、4.3"、5"、7"、10"、15")

Provide common human-machine interface size in industrial control environment



Data security upgrade

This series of HMI supports password management functions. Users can set passwords for specific registers, buttons, and screens, and add permissions to ensure data security.



Definition of label function

In this series of HMI, it has label function and can support user-defined register name



Product display



3.5"



4.3"



5.0"



7.0"



10"



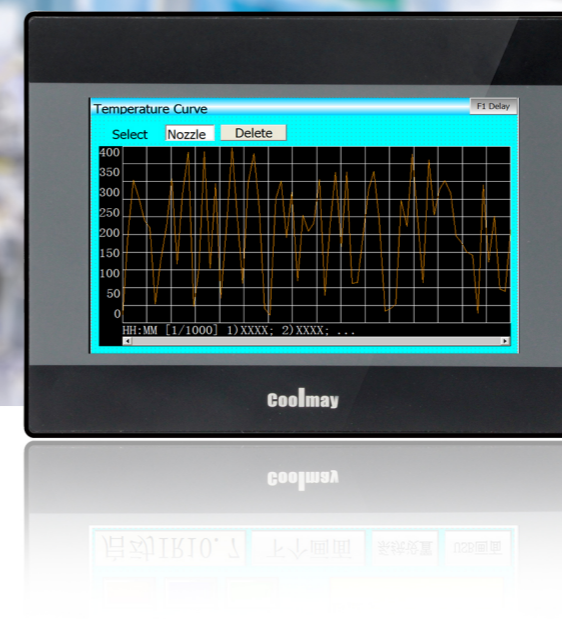
mView1.38

Simple programming, easy to use, powerful

mView1.38 is a set of stable and reliable human machine interface programming software for industrial occasions. Independent and original system design, running speed increased by 200%, memory usage reduced by 50%. The screen is intuitive and easy to grasp, and the usage is similar to commonly used file editing software. You can easily create charts, histograms, various button displays and other functions with the mouse.

Powerful functions, including complete industrial environment requirements, such as recipe function, data recording, historical data management, historical trend graph, alarm management, etc., as well as advanced grammar checking, gesture page changing, password management and data protection, macro instructions, HMI Program simulation...etc.

It supports many communication protocols and can communicate with more than 200 PLCs and controllers on the market.



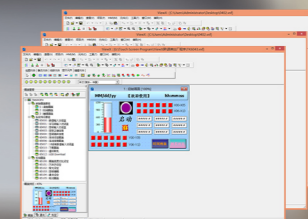
Fast running

200% increase in operating speed, 50% reduction in memory usage



Convenient communication protocol

Simultaneously support multiple communication protocols Modbus RTU/ASCII, Freeport protocol, TCP/IP protocol



Flexible design

There are complete types of graphic elements, and programming is simple and convenient.

mView software

Rich language

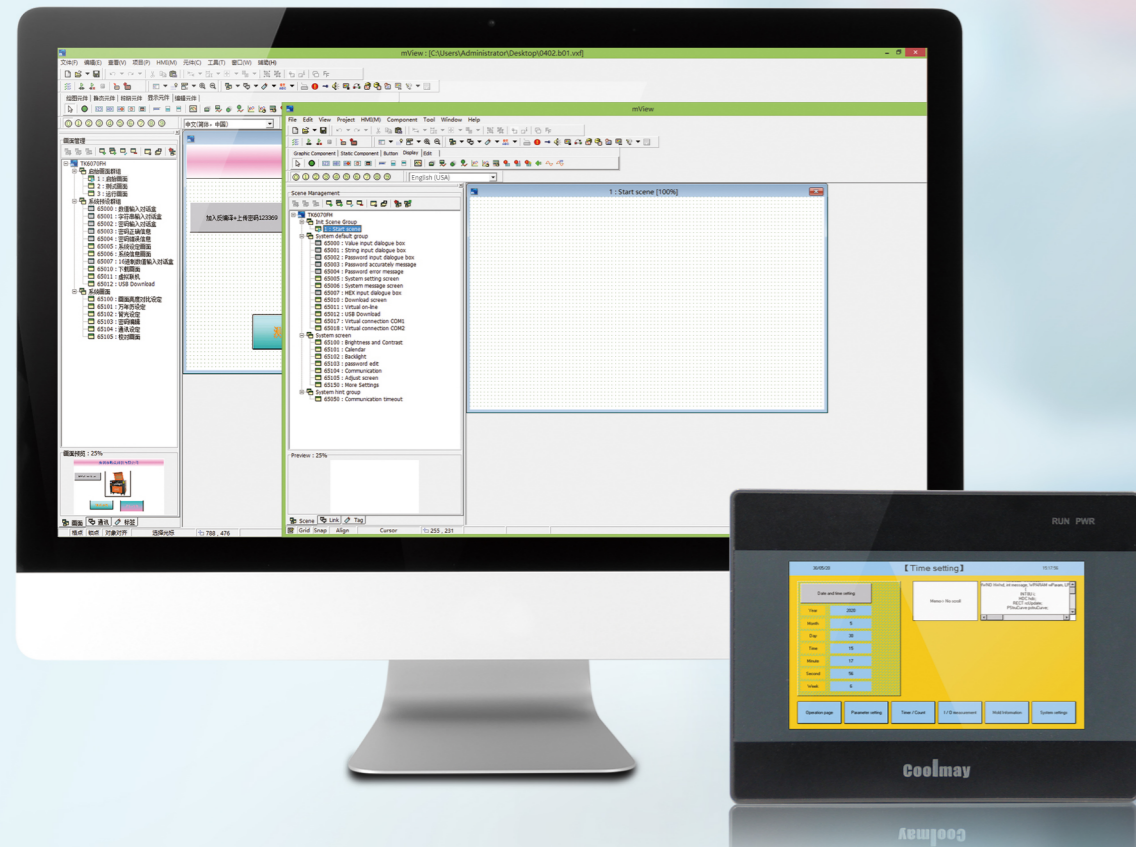
- English, Spanish, Thai, etc to program your HMI
- Support hundreds of languages display. And more are continuing to develop

Powerful

- Engineering conversion ability
- Data scheduling function

Sound output

- You can set the button sound and alarm sound by yourself
- Import and export sound files



485 smart online

When slave is online again, the master and the slave are connected again



Simplicity

Support gesture up, down, left and right swipe operation

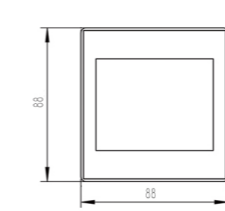
Specification



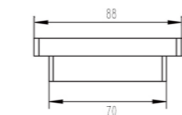
Model	TK6037FH	TK6043FH	TK6050FH
Display	3.5"TFT LCD screen	4.3"TFT LCD screen	5"TFT LCD screen
Resolution	320*240	480*272	800*480
Dimension	88*88*25mm	134*102*34mm	151*96*36mm
Cut-out size	72*72mm	120*94mm	143*86mm
Display size	73*56mm	97*56mm	108*65mm
Brightness	300cd/m ²	300cd/m ²	300cd/m ²
Contrast	400: 1	400: 1	400: 1
Backlight	LED	LED	LED
Colour	65536	65536	65536
Touch panel	4 wire resistance scree	4 wire resistance scree	4 wire resistance scree
Accuracy	Length(X)±1.5% Width(Y)±1.5%	Length(X)±1.5% Width(Y)±1.5%	Length(X)±1.5% Width(Y)±1.5%
Flash	NOR Flash 8MB	NOR Flash 8MB	NOR Flash 8MB
RAM	64MB	64MB	64MB
CPU	408MHz	408MHz	408MHz
USB Device	USB 2.0*1(Type-C)	USB 2.0*1(Type-C)	USB 2.0*1(Type-C)
Serial port	Comes with 1 RS232, 1 RS485	Optional one WiFi (occupying default RS485 port)	Optional one WiFi (occupying default RS485 port)
Calendar	Built-in	Built-in	Built-in
Input power	12-24VDC±10%<150mA @24VDC	12-24VDC±10%<150mA @24VDC	12-24VDC±10%<150mA @24VDC
Pressure test	500VAC 1 minute	500VAC 1 minute	500VAC 1 minute
Insulation resistance	Exceed 10MΩ@500VDC	Exceed 10MΩ@500VDC	Exceed 10MΩ@500VDC
Shockproof test	10-25Hz(2G 30 minutes in XYZ direction)	10-25Hz(2G 30 minutes in XYZ direction)	10-25Hz(2G 30 minutes in XYZ direction)
Shell material	Engineering plasticsABS+PC	Engineering plasticsABS+PC	Engineering plasticsABS+PC
Weight	0.3kg	0.33kg	0.33kg
Installation	Panel mounting	Panel mounting	Panel mounting
Protection level	IP65(Front panel)	IP65(Front panel)	IP65(Front panel)
Working temperature	0~50°C	0~50°C	0~50°C
Working environment humidity	20%~90%RH	20%~90%RH	20%~90%RH
Storage temperature	-20~70°C	-20~70°C	-20~70°C
Software	mView1.38	mView1.38	mView1.38
CE certification	Passed	Passed	Passed

Size

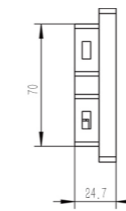
TK6037FH (Wall installation)	TK6043FH	TK6050FH
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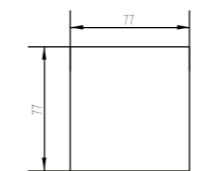
Front view



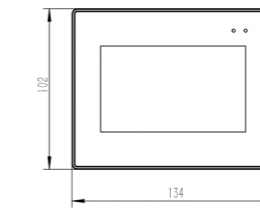
Top view



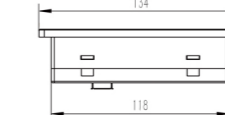
Side view



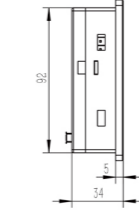
Cut-out size



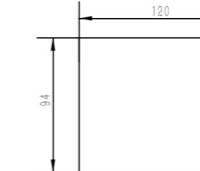
Front view



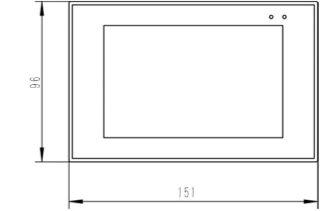
Top view



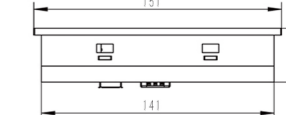
Side view



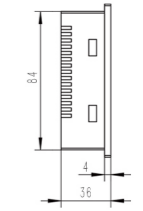
Cut-out size



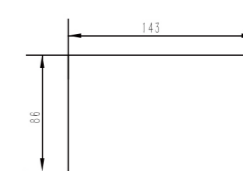
Front view



Top view



Side view



Cut-out size

Specification



Model	TK6070FH	TK6100FH
Display	7" TFT LCD Display	10.1" TFT LCD Display
Resolution	Standard: 800*480 Optional: 1024*600 (Model TK6070HD)	1024*600
Dimension	200*146*36mm	275*194*36mm
Cut-out size	Standard: 192*138mm Optional: 217*154mm (Model TK6070KFH)	262*180mm
Display size	154*87mm	222*125mm
Brightness	300cd/m ²	300cd/m ²
Contrast	400: 1	400: 1
Backlight	LED	LED
Colour	65536	65536
Touch panel	4 wire resistance screen	4 wire resistance screen
Accuracy	Length(X)±1.5% Width(Y)±1.5%	Length(X)±1.5% Width(Y)±1.5%
Flash	NOR Flash 16MB	NOR Flash 16MB
RAM	64MB	64MB
CPU	408MHz	408MHz
USB Device	USB 2.0*1 (Type-C)	USB 2.0*1 (Type-B)
WiFi	Optional (Occupy one 485 port)	Null
Interface	RS232 / RS485	RS232 / RS485
Calendar	Built-in	Built-in
Input power	12-24VDC±10% < 150mA @24VDC	12-24VDC±10% < 150mA @24VDC
Pressure test	500VAC 1minute	500VAC 1minute
Insulation resistance	Exceed 10MΩ @ 500VDC	Exceed 10MΩ @ 500VDC
Shockproof test	10-25Hz (2G 30 minutes in XYZ direction)	10-25Hz (2G 30 minutes in XYZ direction)
Shell material	Engineering plastics PET+PC	Engineering plastics ABS+PC
Weight	0.45kg	0.7kg
Installation	Panel mounting	Panel mounting
Protection level	IP65 (Front panel)	IP65 (Front panel)
Working temperature	0~50°C	0~50°C
Working environment humidity	20%~90%RH	20%~90%RH
Storage temperature	-20~70°C	-20~70°C
Software	mView1.38	mView1.38
CE certification	Passed	Passed

Size

