

Product Catalog

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18

HMI

TK60 series HMI | TK80 series HMI

TK60 series HMI

Image

TK6037FH



TK6043FH



TK6050FH



TK6070FH



TK6100FH



TK6150FH



Product specifications

	Model	TK6037FH	TK6043FH	TK6050FH	TK6070FH	TK6100FH	TK6150FH
Specs	Dimension	88*88*25mm	134*102*34mm	151*96*36mm	200*146*36mm	275*194*36mm	386*300*40mm
	Cutout size	72*72mm	120*94mm	143*86mm	192*138mm	262*180mm	366*280mm
	Display size	73*56mm	97*56mm	108*65mm	154*87mm	222*125mm	305*229mm
	Weight(kg)	0.3 kg	0.33 kg	0.33 kg	0.54 kg	0.7 kg	3.3 kg
Display	Display	3.5" TFT	4.3" TFT	5" TFT	7.0" TFT	10.1" TFT	15" TFT
	Resolution (pixels)	320*240	480*272	800*480	800*480	1024*600	1024*768
	Brightness	300cd/m²	400cd/m²	300cd/m²			450cd/m²
	Contrast ratio	400:1					
	Backlight	LED					
	Backlight time	60,000 hours					
	Display color	65536 colors					
	Touch type	4-wire resistive panel					
Storage	ROM	NOR Flash 8MB		NOR Flash 16MB			
	RAM	64MB (HMI when stores historical data, optional ferroelectric is required)					
	CPU	32bit CPU 408MHz					
Interface	Interface	-Download port: Type-C, RS232, RS485 COM port: RS232, RS485				-Download port: Type-B, RS232, RS485 -COM ports: RS232, RS485	-Download port: Type-C, RS232,RS485 -COM ports:RS232, RS485
	Protocol	RS232/RS485 supports MODBUS, free port and common PLC communication protocol					
Calendar		Yes					
Input Voltage		12-24VDC±10%<150mA @ 24VDC					
Consumption		42mA/24V	72mA/24V	85mA/24V	107mA/24V	145mA/24V	400mA/24V
Protection Class		IP65 (front panel)					
Temperature		Ambient environment: 0 ~ 50°C Storage environment: -20 ~ 70°C					
Humidity		20% ~ 90% RH					
Certification		CE					/
Software		CoolMay mView HMI programming software Detailed info. refer to Coolmay TK Series HMI Programming Manual CoolMay TK HMI User Manual					

Optional functions

Product specifications

Model	WIFI (occupy default RS485 port)	Ferroelectric (store data)
TK6037FH	/	Yes
TK6043FH	Yes	Yes
TK6050FH	Yes	Yes
TK6070FH	Yes	Yes
TK6100FH	Yes	Yes
TK6150FH	Yes	Yes

TK80 series HMI

Image

TK8037H



TK8043H



TK8050H



TK8070H/HD



TK8100H



TK8150H



Product specifications

	Model	TK8037H	TK8043H	TK8050H	TK8070H/HD	TK8100H	TK8150H	
Specs	Dimension	88*88*25mm	134*102*32mm	151*96*36mm	200*146*36mm	275*194*36mm	386*300*40mm	
	Cutout size	72*72mm	120*94mm	143*86mm	192*138mm	262*180mm	352*279mm	
	Display size	73*56mm	97*56mm	108*65mm	154*87mm	222*125mm	305*228mm	
	Weight(kg)	Approx. 0.3 kg	Approx. 0.33 kg	Approx. 0.33 kg	Approx. 0.54 kg	Approx. 0.7 kg	Approx. 3.414 kg	
Display	Display	3.5" TFT	4.3" TFT	5" TFT	7.0" TFT	10.1" TFT	15" TFT	
	Resolution (pixels)	320*240	480*272	800*480	8800*480/1024*600	1024*600	1024*768	
	Brightness	300cd/m ²	400cd/m ²	300cd/m ²				450cd/m ²
	Contrast ratio	400:1						
	Backlight	LED(brightness 0-100 adjustable)						
	Backlight time	60,000 hours						
	Display color	1677W true color						
	Touch type	4-wire resistive panel						
Memory	ROM	NAND Flash 128MB			NAND Flash 128MB/256MB	NAND Flash 256MB	NAND Flash 128MB	
	RAM	128MB			128MB/256MB	256MB	128MB	
	CPU	Dual core 1GHZ						
Operating system		Based on Linux system						
USB port		USB 2.0×1 (usb interface, external U disk can be used to update programs and upload and download historical data)						
Communication interface	Download port	Type-C, RS232, RS485, Network port			Type-C, RS232, RS485*2, Network port	Type-B, RS232, RS485, Network port	Type-C, RS232, RS485*2, Network port	
	EtherNet	Support MODBUS, free port and common PLC communication Protocol						
	Serial port support protocol	Comes with 1 RS232 and 1 RS485 (Supports MODBUS protocol, free port and conventional PLC communication protocol)			Comes with 1 RS232 and 2 RS485 (Supports MODBUS protocol, free port and conventional PLC communication protocol)	Comes with 1 RS232 and 1 RS485 (Supports MODBUS protocol, free port and conventional PLC communication protocol)	Comes with 1 RS232 and 2 RS485 (Supports MODBUS protocol, free port and conventional PLC communication protocol)	
SD card		SD card can be optionally installed except for TK8037H						
Calendar		Yes						
Input Voltage		12-24VDC±10%<150mA @ 24VDC						12-24VDC±10%<500mA @ 24VDC
Consumption		42mA/24V	72mA/24V	85mA/24V	107mA/24V	145mA/24V	400mA/24V	
Protection Class		IP65 (front panel)						
Temperature		Working environment -20~60 ℃; Storage environment -20~70 ℃						
Humidity		20% ~ 90%RH						
Software		Vcool 1.0.8						
Reference		"CoolMay TK80 Series (Vcool) User Manual", "CoolMay TK80 Series User Manual"						

