Comparison of Coolmay HMI with other brand

Item	Specification	Coolmay TK6xxx series	Coolmay MT6xxx series	Weinview TK series	MCGS (TPC7062TD)
Display	Screen size	3.5"/4.3"/5"/7"/10"	3.5"/4.3"/5"/7"/10"	4.3"/7"	7"
	Resolution	480*272(TK6043FH),800*480(TK6070FH)	480*272(MT6043H),800*480(MT6070H)	480*272(TK6051iP), 800*480(TK6071iP), 800*480(TK6071iQ)	800*480
	Brightness	300cd/mm	300cd/mm	400cd/mm(TK6051iP), 350cd/mm(TK6071iP), 350cd/mm(TK6071iQ)	200cd/mm
	Contrast ratio	400；1	400；1	500:1(TK6051iP), 16M(TK6071iP), 16M(TK6071iQ)	/
	Display color	65536 true color	65536 true color	16.7M(TK6051iP) 500:1(TK6071iP) 500:1(TK6071iQ)	65536 true color
Processor	CPU	408MHz	400M(H series), 720MHz-1GHz（HA series）	300MHz(TK6051iP), 528MHz(TK6071iP), 528MHz(TK6071iQ)	300MHz
Memory	RAM	8M, 16M(7"/10")	128M	128M	128M
	ROM	32M	64M(H series), 128M（HA series）	128M	128M
I/O interface	USB Host	USB2.0（in developing）	USB2.0	TK6051iP（null）, TK6071iP（null）, TK6071iQ（USB2.0）	USB2.0
	USB Client	USB2.0（Type-C）	USB2.0（Type-B）	USB2.0Micro USB（TK6051iP） USB2.0Micro USB（TK6071iP） TK6071iQ（null）	USB2.0（Type-B）
	Ethernet port	Optional (7"/10")	Optional	null	null
	Serial Port	COM1(RS232) COM2(RS485)	RS232/RS485	RS232/RS485 COM1:RS232/RS485 （TK6051iP）	COM1(RS232) COM2(RS485)
	Audio output	null	Optional (HA series)	null	null

Item	Specification	Coolmay TK6xxx series	Coolmay MT6xxx series	Weinview TK series	MCGS (TPC7062TD)
	Video output	null	Optional (HA series, Specific camera)	null	null
Configuration Software	Multiple component operation shortcuts	Same size/Same height/Same width/Space equally,vertically/Space equally,horizontally/Center vertically in window/ Center horizontally in window/Align left edges/Align right edges/ Align tops/Align bottoms	Same size/Same height/Same width/ Align left edges/Align right edges/ Align tops/Align bottoms/ Align vertical centers/Align horizontal centers	Same size/Same height/Same width/Space equally,vertically/Space equally,horizontally/Align vertical centers/Align horizontal centers/Align left edges/Align right edges/ Align tops/Align bottoms	Same size/Same height/Same width/Space equally,vertically/Space equally,horizontally/Align vertical centers/Align horizontal centers/Align centers/Align left edges/Align right edges/ Align tops/Align bottoms
	Component movement	Up/Down/Left/Right Shift+Up (up one grid) Shift+Down (down one grid) Shift+Left (left one grid) Shift+Right (right one grid)	Up Down Left Right	Up Down Left Right	Up Down Left Right
	Label function (user-defined register name)	Yes,Can Import and export（Format:tag,txt）	null	Yes,Can Import and export （Format:csv,xls）	Yes,Can Import and export（Format:csv）
	Drawing	Dots, lines, rectangles, polygonal circles, ellipses, arcs, chords, hand-drawn polygons, etc. Hollow and solid graphics	Dots, lines, rectangles	Dots, lines, rectangles, polygonal circles, ellipses, arcs, chords, hand-drawn polygons, etc. Hollow and solid graphics	Dots, lines, rectangles, polygonal circles, ellipses, arcs, chords, hand-drawn polygons, etc. Hollow and solid graphics
	Component order view	Can view the order of component creation	NO	Can view the order of component creation	Can view the order of component creation
	Screen sorts	Can divid screens into groups	NO	NO	NO
	Configuration interface export	Can export corresponding screen,convenient for project transplantation and interoperability,convenient for users to design	NO	NO	NO
	Configuration interface export to be picture	Yes	NO	NO	NO
	Buzzer sound	Can customize the buzzer sound (key press sound, pop-up dialog box sound, alarm sound)	NO	Yes	NO
	Component library control	Save as whole（0 and 1 state）	No Component library	Not whole	Not whole

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	System keyboard	Can be modified or customized	Can not be modified	Can be modified or customized	Can not be modified but can be customized
	Screen inheritance	Can make a public screen as the parent screen and be inherited by other sub-screens, increasing design interoperability and reducing repetitive design	NO	NO	Yes
	Save the project file in other formats	Can be saved as a VHO file with decompilation （can be opened for modification）; Can be saved as a VHO file without decompilation （can't be opened,can only be used for download)	No similar function, the compiled download file can't be decompiled into an editable file	Yes	Yes
	Project file protectio	Yes,Password supported	NO	Password supported	Password supported
	HMI Read file	Support reading, can set a read password	Support reading, But can't set a read password (only allowed to read and not allowed to read)	Support reading, But can't set a read password (only allowed to read and not allowed to read)	Support reading, But can't set a read password (only allowed to read and not allowed to read)
	HMI Download	Yes,Can set download password	NO	Yes	Yes
	Font	window all fonts	Only static text supports all windows fonts	window all fonts	window all fonts
	Language	Support hundred languages	Support 18kinds languages	Support 24kinds languages	Support 12kinds languages
	Numerical display（Write addition, subtraction, multiplication and division to display the result directly) to facilitate the display of values	Yes	NO	NO	NO
	Numerical display （Engineering conversion display）to facilitate the display of values	Yes	NO	NO	NO

Item	Specification	Coolmay TK6xxx series	Coolmay MT6xxx series	Weinview TK series	MCGS (TPC7062TD)
HMI Function	Numerical embedded display (text and numerical mixed display)	Yes	NO	NO	Yes
	485 smart online	Yes, the slave is online again, and the master can establish connection with the slave again	NO,the number of communication failures exceeded, the master station needs to be powered on again to establish a connection	NO,the number of communication failures exceeded, the master station needs to be powered on again to establish a connection	NO,the number of communication failures exceeded, the master station needs to be powered on again to establish a connection
	Script program (macro program)	Multiple script calling methods, rich functions provided by the system	Only support background macro, initial macro, sub-macro, table format writing is not convenient! Single function provided	Multiple script calling methods, rich functions provided by the system	Multiple script calling methods, rich functions provided by the system
	QR code display	NO	Yes	NO	Yes
	Chinese input method	NO	Yes	NO	Yes
	Phased authorization	NO	Yes	NO	Yes
	U disk function	In developing	Support U disk update interface and upload/download HMI data	Support U disk update interface and upload/download HMI data	Support U disk update interface and upload/download HMI data
	Vertical screen/Horizontal screen	Yes	Horizontal screen (Specific model	Yes	Yes
	Gesture operation (swipe up, down, left, right,)	Yes	NO	NO	NO
	Recipe function	Yes	Yes	Yes	Yes
	Recipe browsing component	NO	Yes	NO	Yes
	Schedule	Yes	NO	Yes	NO
	Triggered data transfer	Yes	NO	Yes	NO