

# HMI-PLC

## EPH

EPH series touch screen all-in-one machine is an all-in-one machine controller composed of HMI+PLC controller; Use EasyHC configuration software; The internal communication connection between the screen and the controller is compatible with the 3U programming port protocol, and the controller supports ladder diagram, ST, and FB functions. It is easy to use and can quickly achieve program editing and debugging.



Model		EPH422TD	EPH4-22RD	EPH7-40TD	EPH7-40RD
Display	Display	4.3" TFT		7" TFT	
	Resolutions	480x272		800x480	
	Brightness	350 cd/m <sup>2</sup>		250 cd/m <sup>2</sup>	
	Contrast	500:1		500:1	
	Backlight	LED		LED	
	Backlight Life	>20000h		>20000h	
	Color	16bit		18bit	
PLC I/O	DI	14		24	
	DO	8		16	
	Total Point	22		40	
	Input Type	PNP/NPN		PNP/NPN	
	Output Type	Transistor	Relay	Transistor	Relay
Touch	Touch Screen	4-wire resistive type		4-wire resistive type	
	Touch accuracy	Length (x-axis) ±2%; Width (y-axis) ±2%		Length (x-axis) ±2%; Width (y-axis) ±2%	
Memory	Flash	64MB		512MB	
	RAM	32MB		128MB	
CPU		Arm 600MHz		Cortex-A7 Dual core 800MHz	
Communication ports	USB Host	1x Host		1x Host	
	COM	1x RS232		1x RS232	
	Optional	485, CAN, AI, AO		485, CAN, AI, AO	
RTC		Built-in real-time clock		Built-in real-time clock	
Power Supply	Input Voltage	24±20%VDC		24±20%VDC	
	Rated Power	<4W		<5W	
	Power Isolation	Built-in		Built-in	
Structure	HMI Size	138*86*61mm		203*149*63.5mm	
	Display size	96*55mm		155*88mm	
	Hole	130*78mm		190*136mm	
	Mounting	Panel Mounting		Panel Mounting	
	Shell Material	Engineering Plastics		Engineering Plastics	
	Vibration	10 to 25Hz(X axis, Y axis, Z axis 2G 30 minutes)		10 to 25Hz(X axis, Y axis, Z axis 2G 30 minutes)	
Operating Environment	IP Grade	Panel: IP65; Rear cover: IP20			
	Temperature	0-45°C			
	Humidity	5~90%RH(No condensation)			
	Storage Temp.	-10-60°C			
	Cooling	Natural Air Cooling			
Software		EasyHC			