

03 MOTION CONTROL

PLC >>>

EMP

EMP series small host programmable controller, small structure, rich models, full-featured, the controller contains a variety of IO inputs and outputs, with a variety of communication ports, easy to use, can quickly achieve the programme editing and debugging.



EMP

Products Feature

PLC

High Speed Computation

- ▶ The basic instruction processing time is 0.2~0.5 μ s, and the programme capacity is up to 32K, which can be expanded to a maximum of 480 points.

Flexible Expansion

- ▶ In order to meet the application requirements of more occasions, it can be configured with rich expansion modules, and up to 15 expansion modules can be connected.

High Speed Pulse Output

- ▶ Up to 200KHz pulse output. Pulse commands are streamlined and powerful.

High Speed Signal Acquisition

- ▶ Single-phase incremental mode counting (up to 50KHz), AB-phase mode counting (up to 200KHz) are possible by selecting different counters. High-speed control is achieved by simple high-speed counting instructions.

Multiple Communication Ports

- ▶ The PLC can be configured with up to 2 communication ports. It supports RS232, RS485, bus communication (CAN), Ethernet (only PLC with Ethernet port), etc. It can be connected to peripheral devices such as inverters and meters, and can freely form a communication network.

Strong Programming Ability

- ▶ Rich PLC instruction set, compatible with instruction sets from other brands.
- ▶ Support offline simulation and online simulation debugging.
- ▶ Support user program encryption to protect intellectual property rights.

Model		EMP1M-						EMP3M-			
		0808TD	1410TD	1616TD	0808RD	1410RD	1616RD	2416TD	3624TD	2416RD	3624RD
PLC I/O	DI	8	14	16	8	14	16	24	36	24	36
	DO	8	10	16	8	10	16	16	24	16	24
	Total Point	16	24	32	16	24	32	40	60	40	60
	Input Type	PNP/NPN									
	Output Type	Transistor, NPN			Relay			Transistor, NPN		Relay	
Expansion I/O	Max. No. of Modules	15									
	Total Point	480									
High Speed I/O	Input	2 Phase AB 200kHz or single pulse 50kHz									
	Output	4x200kHz			-			4x200kHz		-	
Communication	RS232	1									
	RS485	1									
	Protocol	Support modbus master-slave, free protocol, 3U programming port protocol									
	Optional	Ethernet, CAN									
External Interrupt		2									
Procedure execution mode		Cyclic scanning + interrupt method									
Programming method		Instruction List, Ladder Diagram, Sequential Function Chart									
Basic Instruction Processing Speed		0.1us									
Program Capacity		32k									
Soft Component	Input Relay(X)	X0-X256									
	Output Relay(Y)	Y0-Y256									
	Auxiliary Relay	M0-M499(General use); M500-M7679(Holding when power off); M8000-M8511(Special use)									
	Status Relay	S0-S499(General use); S500-S899, S1000-S4095(Holding when power off); S900-S999(Alarm use)									
	Timer (T)	T0-T199(100ms); T200-T255(10ms); T256-T511(1ms)									
	Counter (C)	C0-C199(16-bit increase count); C200-C234(32-bit Increase/Decrease count); C251-C252(High speed count)									
	Data Register	D0-D199, D800-D7999(General use); D200-D799(Holding when power off); D8000-D851(Special use)									
Rated Voltage		DC24V(12-32V)									
Working Temperature		-20°C-55°C									
Storage Temperature		-20°C-65°C									
Humidity		5%-95% (Non-condensing)									
Demension		30*90*60mm					175*90*75mm				