



K504EX-14AT

Power supply: AC130-265V power supply

Built-in I/O points: 14 I/O, DI 8*DC24V, DO 6*DC24V, transistor output

Communication port: 1 RS232

Connectable expansion modules: Yes. At most 2 expansion modules

Real-time clock: None

Installation size(mm): 97 × 114 × 70 (L × W × H)

Parameter	CPU504	CPU504EX	CPU506	CPU506EA	CPU508
I/O and communication port					
Built-in digital points	8*DI / 6*DO	8*DI / 6*DO	14*DI / 10*DO	14*DI / 10*DO	24*DI / 16*DO
Built-in analog points	---	---	---	4*AI / 2*AO	---
Number of connectable expansion modules	---	2	6	6	6
Communication ports	1 RS23	2, PORT0:RS232, PORT1: RS485	3, PORT0: RS232, PORT1、PORT2: RS485		
	PORT0 supports programming protocol, Modbus RTU master, free protocol PORT1/PORT2 support RTU master and slave, free protocol				
High-speed counter	4	4			
Single-phase	2, Max. 30KHz	2, Max. 60KHz			
Dual-phase	2, Max. 10KHz	2, Max. 20KHz			
Pulse output	2, Max. 20KHz	2, Max. 200KHz			
Memory area					
User program memory	Max. 1K steps	Max. 4K steps			
user data memory	M area 1KB; V area 4KB				
DI mapping area	1 bytes (8*DI)	5 bytes (40*DI)	32 bytes (256*DI)		
DO mapping area	1 bytes (8*DO)	5 bytes (40*DO)	32 bytes (256*DO)		
AI mapping area	---	16 bytes (4*AO)	64 bytes (32*AI)		
AO mapping area	---	8 bytes (4*DO)	64 bytes (32*AO)		
Data backup characteristic	E2PROM, 256bytes	FRAM, 448 bytes			
Data retention characteristic	---	4K bytes. Lithium battery, 3 years at normal temperature			
Others					
Timer	256 1ms time base: 4 10ms time base: 16 100ms time base: 236				
Timer interruption	2, time base: 0.1ms				
Counter	256				
Real-time clock	---	Yes, with an error not greater than 2 minutes/month under temperature of 25℃			
DC24V Output supply	300mA, short circuit protection		500mA, short circuit protection		