

XL5N□series

Compatible with most functions of XL5E series, it has built-in two-channel independent CAN communication, equipped with RS232, RS485, RJ45 port, supports two-channel pulse output, three-channel high-speed counting, and supports the connection of right expansion module and left expansion module.

- Program capacity 1MB
- I/O sequential control
- Max I/O 544 points
- Basic instruction 0.01 ~ 0.03us
- RS232, RS485, RJ45
- 2 channels CAN communication, support CANopen and CAN free format communication
- Support Ethernet communication
- 2 channels 100kHz pulse output
- 3 channels high speed counter (single phase up to 80 kHz, AB phase up to 50kHz)



Performance specification

Product series XL5N-		32T
PLC body I/O	Total points	32
	Input points	16
	Output points	16
Max I/O points		544
High speed positioning	General pulse output	2 axes
	Differential pulse output	-
High speed input	Single/AB phase mode	3 channels
	Input mode	OC
Expansion ability	Right expansion module	16
	Left expansion module	1
	BD board	-
Interruption	External interrupt	10
	Timing interrupt	20
	Other interrupts	High speed counter interrupt, pulse interrupt
Communication function	Communication port	1 RS232 port, 1 RS485 port, 2 RJ45 ports
	Communication protocol	Standard Modbus ASCII/RTU communication, free format communication, Ethernet communication, CAN communication
Bus function		CANbus control, X-NET fieldbus
PWM pulse width modulation		Support
Frequency measurement		Support
Precise timing		Support
Multi-station control		Support
Program execution mode		Cyclic scanning mode
Programming method		Command, ladder chart, C language
Power off holding		FlashROM
Basic instruction processing speed		0.01~0.03us
User program capacity (secret download mode)		1MB

Security function		6-bit ASCII password protection, secret download	
Self-diagnosis function		Power on self-test, monitoring timer, syntax check	
Real-time clock		Built-in clock, Lithium battery, power off memory	
SD expansion card		-	
Bit soft component	Input relay (X)	1280 points: X0~X77, X10000~X11777, X20000~X20177, X30000~X30077	
	Output relay (Y)	1280 points: Y0~Y77, Y10000~Y11777, Y20000~Y20177, Y30000~Y30077	
	Auxiliary relay	General M	200000 points M0~M199999
		Power off holding HM	20000 points HM0~HM19999
		Special SM	5000 points SM0~SM4999
	Flow	General S	20000 points S0~S19999
		Power off holding HS	2000 points HS0~HS1999
	Timer	Specification	100ms timer: 0.1~3276.7s, 10ms timer: 0.01~327.67s, 1ms timer: 0.001~32.767s
		General T	20000 points T0~T19999
		Power off holding HT	2000 points HT0~HT1999
Counter	Specification	16-bit counter: 0~32767 32-bit counter: -2147483648~+2147483647	
	General C	20000 points C0~C19999	
	Power off holding HC	2000 points HC0~HC1999	
Special coil for WAIT instruction		32 points SEM0~SEM31	
Word soft component	Data register	General D	500000 points D0~D499999
		Power off holding HD	50000 points HD0~HD49999
		Special SD	50000 points SD0~SD49999
	FlashROM register	Power off holding FD	65536 points FD0~FD65535
		Special SFD	50000 points SFD0~SFD49999
		Security register FS	48 points FS0~FS47

*Note: ① The '-' in the table indicates that this model doesn't have this function.
 ② Special refers to system occupancy, cannot be used for other purposes.

| XL5N series product list

Model						
AC power			DC power			
	Relay output	Transistor output	Transistor relay mixed output	Relay output	Transistor output	Transistor relay mixed output
NPN	-	-	-	-	XL5N-32T	-

*Note: Can include programming cable XVP-CAB