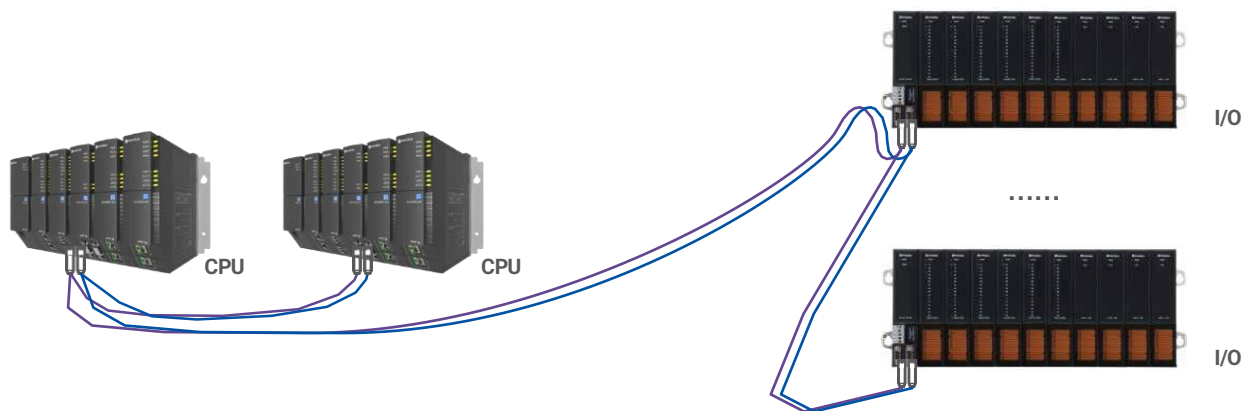




SS Large Scale PLC

Technical Data

Model		SS220	SS222	SS224
Controller clock speed		600 MHz	667 MHz	766 MHz
Instruction execution time	Bit operation	15 ns	10 ns	7 ns
	Fixed-point operation	15 ns	10 ns	7 ns
	Floating-point operation	25 ns	18 ns	12 ns
Memory	Integrated memory (program + data)	24 MB	32 MB	64 MB
	Power-loss retentive memory	512 KB MRAM (R area: 64 KB; M area: 4 KB)	512 KB MRAM (R area: 96 KB; M area: 6 KB)	512 KB MRAM (R area: 128 KB; M area: 8 KB)
Communication interface	Integrated Ethernet	2 × RJ45 Interface, 10/100M adaptive, dual-network-port redundancy; supporting Modbus TCP and Sys.TCP protocols		
Communication protocols	Modbus TCP (max. master/slave connections)	16	32	64
	Powerlink (max. PL slaves)	128	256	256
	Profibus-DP (max. PL slaves)	124	124	124
	Communication modules	SS240 × 1, SS249 × 1, SS246 × 2, SS241 × 1	SS240 × 1, SS249 × 1, SS246 × 2, SS241 × 2	SS240 × 1, SS249 × 1, SS246 × 2, SS241 × 2
Configuration capacity	Input variable area (I)	32 KB max.	64 KB max.	128 KB max.
	Output variable area (Q)	32 KB max.	64 KB max.	128 KB max.
	Global variable area (N)	1 MB	4 MB	6 MB
	Free variable area (M)	1 MB	2 MB	4 MB
	Power-loss retentive area (R)	64 KB max.	96 KB max.	128 KB max.



*Dual-rack redundancy in CPU power supply, and network