Quick Look

Cisco Catalyst 4500 Series Switches for Enterprise Deployments

Each Cisco® Catalyst® 4500 Series chassis model has a different number of available card slots and can accommodate a variety of line card and supervisor options. Customers can choose 48-port 10/100, 10/100/1000 and Power over Ethernet line cards. These cards can be added to the chassis as needed to customize an access, distribution, or server aggregation platform.

USER ACCESS

When to Buy	Chassis	Line Card Options	Line Card Part Numbers	Supervisor
Up to 240 ports of any access type.	Catalyst 4506 (WS-C4506)	48-port 10/100	WS-X4148-RJ	Supervisor II-Plus (WS-X4013+)
		48-port 10/100 PoE	WS-X4248-RJ45V	
		48-port 10/100/1000	WS-X4548-GB-RJ45	
		48-port 10/100/1000 PoE	WS-X4548-GB-RJ45V	
Up to 240 ports of PoE with dual supervisors for enhanced resiliency.	Catalyst 4507R (WS-C4507R)	48-port 10/100	WS-X4148-RJ	Supervisor II-Plus (WS-X4013+)
		48-port 10/100 PoE	WS-X4248-RJ45V	
		48-port 10/100/1000	WS-X4548-GB-RJ45	
		48-port 10/100/1000 PoE	WS-X4548-GB-RJ45V	
Up to 240 ports of any access type with optional NetFlow capability.	Catalyst 4507R (WS-C4507R)	48-port 10/100 PoE	WS-X4248-RJ45V	Supervisor IV (WS-X4515)
		48-port 10/100/1000 PoE	WS-X4548-GB-RJ45V	
Up to 240 ports of any access type with 10 GE uplinks for high performance user access. Can have dual supervisors for enhanced resiliency.	Catalyst 4506 (WS-C4506)	48-port 10/100	WS-X4148-RJ	Supervisor II-Plus 10 GE (WS-X4013+10GE, L2+)
		48-port 10/100 PoE	WS-X4248-RJ45V	
	Catalyst 4507R (WS-C4507R)	48-port 10/100/1000	WS-X4548-GB-RJ45	Supervisor V-10GE (WS-X4516-10GE, L3)
		48-port 10/100/1000 PoE	WS-X4548-GB-RJ45V	
Up to 336 ports of any access type with optional NetFlow capability. Can have dual supervisors for enhanced resiliency.	Catalyst 4510R (WS-C4510R)	48-port 10/100	WS-X4148-RJ	Supervisor V (WS-X4516)
		48-port 10/100 PoE	WS-X4248-RJ45V	
		48-port 10/100/1000	WS-X4548-GB-RJ45	
		48-port 10/100/1000 PoE	WS-X4548-GB-RJ45V	
Up to 384 ports of any access type with 10 GE uplinks and embedded NetFlow. Can have dual supervisors for enhanced resiliency.	Catalyst 4510R (WS-C4510R)	48-port 10/100	WS-X4148-RJ	Supervisor V-10GE (WS-X4516-10GE)
		48-port 10/100 PoE	WS-X4248-RJ45V	
		48-port 10/100/1000	WS-X4548-GB-RJ45	
		48-port 10/100/1000 PoE	WS-X4548-GB-RJ45V	

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LAYER 3 DISTRIBUTION

When to Buy	Chassis	Line Card Options	Line Card Part Numbers	Supervisor
Up to 32 ports of line rate gigabit fiber ports with Full Layer 3 routing and optional NetFlow.	Catalyst 4506 Series (WS-C4506)	6-port Gigabit Ethernet (GBIC	WS-X4306-GB	Supervisor IV (WS-X4515)
		6-Port 10/100/1000 (SFP)	WS-X4506-GB-T	
Up to 48 ports of line rate gigabit fiber ports with Full Layer 3 routing and optional NetFlow.	Catalyst 4510R (WS-C4510R)	6-port Gigabit Ethernet (GBIC)	WS-X4306-GB	Supervisor V (WS-X4516)
		6-Port 10/100/1000 (SFP)	WS-X4506-GB-T	

SERVER AGGREGATION

When to Buy	Chassis	Line Card Options	Line Card Part Numbers	Supervisor
Up to 36 ports of line rate gigabit fiber ports with 2 line rate 10 GE uplinks.	Catalyst 4506 Series (WS-C4506)	6-port Gigabit Ethernet (GBIC)	WS-X4306-GB	Supervisor II-Plus 10 GE (WS-X4013+10GE, L2+)
		6-Port 10/100/1000 (SFP)	WS-X4506-GB-T	
Up to 120 ports of copper gigabit. 4 ports of gigabit fiber or 2 wire speed 10 GE uplinks.	Catalyst 4506 Series (WS-C4506)	24-port 10/100/1000BASE-T	WS-X4424-GB-RJ45	Supervisor II-Plus (WS-X4013+)
				Supervisor II-Plus 10 GE (WS-X4013+10GE, L2+)
Up to 192 ports of gigabit copper. 4 ports of gigabit fiber or 2 wire speed 10 GE uplinks.	Catalyst 4510R (WS-C4510R)	24-port 10/100/1000BASE-T	WS-X4424-GB-RJ45	Supervisor V (WS-X4516)
				Supervisor V-10GE (WS-X4516-10GE, L3)

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