



Cisco Catalyst Switching Portfolio



Cisco Catalyst 6500 Series Switches
As the underlying foundation of Borderless Network, the Catalyst 6500 delivers the highest levels of application intelligence, unified network services, integrated security, non-stop communications, operational manageability and virtualization for enterprises, medium-sized businesses, and service providers. Driving next-generation network service integration with unprecedented investment protection.

Get More Value with Cisco End-to-End Solutions.

Cisco Nexus 7000 Series Switches
• Delivers 10 Gigabit Ethernet and unified fabric
• Supports core, aggregation, and various access-layer implementations
• Features state-of-the-art Cisco NX-OS operating system
www.cisco.com/go/nexus

Network Management
Cisco Prime™ LAN Management Solution (LMS) simplifies and automates management
• Detailed visibility and control of devices, ports, and network connectivity
• Intuitive Work Centers for Cisco value-added services such as EnergyWise, TrustSec and Auto Smartports
• Simplified configuration, administration, monitoring, and troubleshooting

Cisco Prime Network Control System (NCS) converges wired, wireless, and security
• Monitor and troubleshoot converged wired, wireless, and security policy
• Visualize and resolve end-user access problems
• Complete wireless lifecycle management

Cisco Prime Network Analysis Module (NAM) delivers access to network information
• Gain visibility to optimize network resources
• Quickly isolate and troubleshoot application and performance issues
www.cisco.com/go/nms
www.cisco.com/go/nca
www.cisco.com/go/nam

Security
Cisco TrustSec delivers identity-based secure access to Borderless Networks
• Advanced, policy-based access control, identity-aware networking, and data integrity
• Integrated 802.1x infrastructure-based services that extend access enforcement throughout the network
• Centralized, policy-based corporate governance and compliance
www.cisco.com/go/trustsec

Energy Management
Cisco EnergyWise. Utilize the network to monitor, report and reduce energy consumption across an entire corporate infrastructure
• Power management of PoE devices, laptops, desktop PCs and high power devices such as VIDs and IP Terrel Systems
• IT and facility energy management convergence to remove infrastructure silos through partnering with industry leading BMS vendors
www.cisco.com/go/energywise

Wireless/Mobility
Cisco Unified Wireless Network provides a secure, application-ready mobility platform
• 802.11n and Cisco ClearAir for optimal performance and superior investment protection
• Cisco Prime NCS for converged user and access management for wired and wireless networks
• Wireless controllers enabling flexible deployment and scalability
www.cisco.com/go/wireless

Modular Switches

Cisco Catalyst 6500 Series Switches

Chassis	Description	Product Number
	3-slot Chassis, 4-RU, no PS, no Fan Tray	WS-C6503-E
	4-slot Chassis, 5-RU, no PS, no Fan Tray	WS-C6504-E
	6-slot Chassis, 12-RU, no PS, no Fan Tray	WS-C6506-E
	9-slot Chassis, 15-RU, no PS, no Fan Tray	WS-C6509-E
	9-slot Chassis (Vertical), no PS, Fan Tray	WS-C6509-V-E
	13-slot Chassis, 20-RU, no PS, with Fan Tray	WS-C6513-E

Supervisor Engines

Description	Product Number
Supervisor 2T with 2 ports 10GbE and MSFC5 PFC4	VS-S2T-10G
Supervisor 2T with 2 ports 10GbE and MSFC5 PFC4XL	VS-S2T-10G-XL
Virtual Switching Supervisor 720 with 2 ports of 10 GbE and MSFC3 XL	VS-SUP720-10G-3CXL
Virtual Switching Supervisor 720 with 2 ports of 10 GbE and MSFC3	VS-SUP720-10G-3C
SUP720 Fabric with 2 ports of GE and MSFC3 PFC3BXL	WS-SUP720-3BXL
SUP720 Fabric with 2 ports of GE and MSFC3 PFC3B	WS-SUP720-3B
SUP32 with 2 ports 10 GbE and PFC3B	WS-SUP32-10GE-3B
SUP32 with 8 ports of GE and PFC3B	WS-SUP32-GE-3B

10 Gigabit Ethernet

Description	Product Number
8-port 10 GE Module with DFC4 and Trustsec (Req. X2)	WS-X6908-10G-2T
8-port 10 GE Module with DFC4XL and Trustsec (Req. X2)	WS-X6908-10G-2T-XL
16-port 10GE Module with DFC4XL (Req. X2)	WS-X6816-10G-2T
16-port 10GE Module with DFC4XL (Req. X2)	WS-X6816-10G-2T-XL
16-port 10GbE 10GBASE-T module with DFC4	WS-X6816-10T-2T
16-port 10GbE 10GBASE-T module with DFC4XL	WS-X6816-10T-2T-XL
16-port 10 GE Module with DFC3C and DFC3CXL (Req. X2)	WS-X6716-10G-3C/3CXL
8-port 10 GE Module with DFC3C (Req. X2) and DFC3CXL	WS-X6708-10G-3C/3CXL
4-port 10 GE Module without DFC (Req. XENPAKS)	WS-X6704-10GE

Gigabit Ethernet Fiber

Description	Product Number
48-port GE Module with DFC4, fabric-enabled (Req. SFPs)	WS-X6848-SFP-2T
48-port GE Module with DFC4XL, fabric-enabled (Req. SFPs)	WS-X6848-SFP-2T-XL
24-port GE Module with DFC4, fabric-enabled (Req. SFPs)	WS-X6824-SFP-2T
24-port GE Module with DFC4XL, fabric-enabled (Req. SFPs)	WS-X6824-SFP-2T-XL
24-port GE Module, fabric-enabled (Req. SFPs)	WS-X6724-SFP
48-port GE Module, fabric-enabled (Req. SFPs)	WS-X6748-SFP

10/100/1000

Description	Product Number
48-port 10/100/1000 GE Module with DFC4, fabric-enabled (RJ45)	WS-X6848-TX-2T
48-port 10/100/1000 GE Module with DFC4XL, fabric-enabled (RJ45)	WS-X6848-TX-2T-XL
48-port 10/100/1000 GE Module, fabric-enabled (RJ45)	WS-X6748-GE-TX
48-port 10/100/1000 with Jumbo Frame (RJ45)	WS-X6148A-GE-TX
48-port PoE 802.3af 10/100/1000, with Jumbo Frame	WS-X6148A-GE-45AF
48-port PoE+ 802.3at 6ePoE 10/100/1000 with Jumbo Frame	WS-X6148E-GE-45AT

Bundles:

Borderless Services Nodes	Description	Product Number
	6509-E Chassis, S720-10G, 2 FWSM, 1 WSM, 1 6716-10G-3C & 2 VFV licenses	BSN09E-VS720-10G
	6509-E Chassis, S720-10G, 2 FWSM, 1 WSM, 1 6724-SFP & 2 VFV licenses	BSN09E-VS720-1G

Bundles:

Datacenter Services Nodes	Description	Product Number
	6509-E Chassis, S720-10G, 3 FWM, 1 ACE20, 1 X6704-10GE, 2 WS-CAC-6000W	DSN09E-VS720-AC-K9
	6509-E Chassis, S720-10G, 3 FWM, 1 ACE20, 1 X6704-10GE, 2 PWR-6000-DC	DSN09E-VS720-DC-K9
	6506-E Chassis, S720-10G, 3 FWM, 1 ACE20, 1 X6704-10GE, 2 WS-CAC-3000W	DSN06E-VS720-AC-K9
	6506-E Chassis, S720-10G, 3 FWM, 1 ACE20, 1 X6704-10GE, 2 PWR-4000-DC	DSN06E-VS720-DC-K9
	6509-V-E Chassis, S720-10G, 3 FWM, 1 ACE20, 1 X6704-10GE, 2 WS-CAC-6000W	DSN9VE-VS720-AC-K9
	6509-V-E Chassis, S720-10G, 3 FWM, 1 ACE20, 1 X6704-10GE, 2 PWR-6000DC	DSN9VE-VS720-DC-K9

Service Modules

Description	Product Number
Application Control Engine Service Module	ACE30-MOD-K9
ASA Services Module, VFW License Separate	WS-SVC-ASA-SM1-K9
Firewall Blade, VFW License Separate	WS-SVC-FWM-1-K9
Wireless Service Module-2	WS-SVC-WISM2-X-K9
Wireless Service Module	WS-SVC-WISM
Network Analysis Module-2	WS-SVC-NAM-2-250S
Network Analysis Module-3	WS-SVC-NAM3-EG-K9
Cisco Catalyst 6500 Series VPN Services Port Adapter	WS-IPSEC-3
Cisco Catalyst 6500 Series Services SPA Carrier-600	WS-SSC-600
IPSec VPN SPA-DES/3DES/AES	SPA-IPSEC-2G
Services SPA Carrier Card	7600-SSC-400

Cisco Catalyst 4500 Series Switches

Chassis	Description	Product Number
	Cisco Catalyst 4500E Series 3-Slot Chassis	WS-C4503-E
	Cisco Catalyst 4500E Series 6-Slot Chassis	WS-C4506-E
	Cisco Catalyst 4500E Series 7-Slot Chassis	WS-C4507R-E
	Cisco Catalyst 4500E Series 10-Slot Chassis	WS-C4510R-E

Supervisor

Description	Product Number
Cisco Catalyst 4500E Series Supervisor Engine 7-E	WS-X45-SUP7-E
Cisco Catalyst 4500E Series Supervisor Engine 6-E w/ Twin Gigabit Converter modules	WS-X45-SUP6-E
Cisco Catalyst 4500E Series Supervisor Engine 6L-E w/ Twin Gigabit Converter modules	WS-X45-SUP6L-E
Cisco Catalyst 4500 Series Supervisor Engine V-10GE	WS-X4516-10GE



Cisco Catalyst 4500 Series Switches
Catalyst 4500E Series switches are Cisco's leading modular switches for borderless access and price/performance distribution deployments. They offer best-in-class investment protection with forward and backward compatibility, high availability with In Service Software Upgrade, and deep application visibility with Flexible NetFlow. Catalyst 4500E switches also offer industry's first and only 60W PoE solution to power an unparalleled range of devices.



Cisco Catalyst 4900 Series Switches
Catalyst 4900 Series Switches deliver wire-speed services in a small form factor (1-2RU). They are designed for top of rack deployments where high-performance and advanced services are required.



Cisco Catalyst 3750-X Series Switches with StackWise Plus Technology
The Catalyst 3750-X Series switches is Cisco's lead fixed access platform. These stackable enterprise-class switches accelerate innovation and increase business productivity by providing industry-leading security, category-best availability, highest quality of service, lowest cost of operation and Power over Ethernet (PoE) leadership.**



Cisco Catalyst 3750 Series Switches with StackWise Technology
Improve LAN operating efficiency by combining ease of use and the high resiliency for mid-size organizations and enterprise branch offices.**



Cisco Catalyst 3560-X Series Switches
Balance network performance and operational simplicity to drive productivity and growth for your business. These stand-alone Enterprise-class switches provide industry-leading security, robust service availability, highest quality of service, lowest cost of operation and Power over Ethernet (PoE) leadership.**

Line Cards

Description	Product Number
Cisco Catalyst 4500E Series 48-port PoE 802.3at 10/100/1000 (RJ45)	WS-X4748-RJ45V-E
Cisco Catalyst 4500E Series 12-port 10GE (SFP+)	WS-X4712-SFP-E
Cisco Catalyst 4500E Series 48-port LUPoE 10/100/1000 (RJ45)	WS-X4748-LUPoE-E
Cisco Catalyst 4500E Series 48-port Data only 10/100/1000 (RJ45)	WS-X4748-RJ45-E
Cisco Catalyst 4500E Series 48-port PoE+ Ready 10/100/1000 (RJ45)	WS-X4648-RJ45V-E
Cisco Catalyst 4500E Series 48-port Data only 10/100/1000 (RJ45)	WS-X4648-GB-RJ45
Cisco Catalyst 4500E Series 40 SFP/80 C-SFP port 1000BaseX	WS-X4640-CSFP-E
Cisco Catalyst 4500E Series 24-port GE (SFP)	WS-X4624-SFP-E
Cisco Catalyst 4500E Series 12-port GE (SFP)	WS-X4612-SFP-E
Cisco Catalyst 4500E Series 6-port 10GE (X2)	WS-X4606-X2-E
Cisco Catalyst 4500E Series PoEP 48-port 10/100/1000 (RJ45)	WS-X4548-RJ45V+
Cisco Catalyst 4500 Series 48-port Data only 10/100/1000 (RJ45)	WS-X4548-GB-RJ45
Cisco Catalyst 4500 Series 48-port 1000BASE-X (SFP)	WS-X4448-GB-SFP
Cisco Catalyst 4500 Series 48-port 1000BASE-X (SFP)	WS-X4248-FE-SFP
Cisco Catalyst 4500 Series 48-port 10/100 PoE 802.3af (RJ45)	WS-X4248-RJ45V
Cisco Catalyst 4500 Series 48-port 10/100 (RJ45)	WS-X4148-RJ

Bundles

Description	Product Number
Cisco Catalyst 4503-E Chassis, One WS-C4503E-S6L-48V+, Supervisor 6L-E	WS-C4503E-S6L-48V+
Cisco Catalyst 4506-E Chassis, Two WS-X4648-RJ45V+E, Supervisor 6L-E	WS-C4506E-S6L-96V+
Cisco Catalyst 4507R-E Chassis, Two WS-X4648-RJ45V+E, Supervisor 6L-E	WS-C4507RES6L-96V+
Cisco Catalyst 4510R+E Chassis, Two WS-X4748-RJ45V+E, Supervisor 7-E	WS-C4510RE-S7-96V+
SBA Wireless Bundle with WS-C4507R+E, WS-X45-Suppl-E, WS-X4624-SFP-E, AIR-CT5508-50-K9, 50 AP license	BN-CF72-SBA+K9

Fixed Configuration Switches

Cisco Catalyst 4900 Series Switches

4948E/4948E-F Switches	Description	Product Number
	Cisco Catalyst 4948E, opt. image, 48-port 10/100/1000, 4-port GE or 10GE (SFP/SFP+), no power supply, front-to-back air flow	WS-C4948E
	Cisco Catalyst 4948E-F, IPB image, 48-port 10/100/1000, 4-port GE or 10GE (SFP/SFP+), back-to-front air flow	WS-C4948E-F-S
	Cisco Catalyst 4948E-F, ES image, 48-port 10/100/1000, 4-port GE or 10GE (SFP/SFP+), back-to-front air flow	WS-C4948E-F-E
	Green Bundle with 10 WS-C4948E switches, front-to-back air flow	WS-C4948E-BDL
	Green Bundle with 10 WS-C4948E-F switches, back-to-front air flow	WS-C4948E-F-BDL

4900M Switch

Description	Product Number
Cisco Catalyst 4900M with 8-port 10GE (X2) and 2 half slots	WS-C4900M
Cisco Catalyst 4900M 4-port 10GE module (X2)	WS-X4904-10GE
Cisco Catalyst 4900M 8-port 10GE module (X2)	WS-X4908-10GE
Cisco Catalyst 4900M 20-port 10/100/1000 module (RJ45)	WS-X4920-GB-RJ45
Cisco Catalyst 4900M 8-port 10GBASE-T module (RJ45)	WS-X4908-10G-RJ45

4948-10GE/4948/4928 Switches

Description	Product Number
Cisco Catalyst 4948, opt. image, 48-port 10/100/1000+2*10GE (X2), no power supply	WS-C4948-10GE
Cisco Catalyst 4948, opt. image, 48-port 10/100/1000+4 SFP, no power supply	WS-C4948
Cisco Catalyst 4928, opt. image, 28-port 1000Base-X (SFP) +2*10 GE (X2) ports, no power supply	WS-C4928-10GE
Green Bundle with 10 WS-C4948-10GE switches	WS-C4948-10GEBDL
Green Bundle with 10 WS-C4948 switches	WS-C4948-BDL

Cisco Catalyst 3750-X Series Switches with StackWise Plus Technology

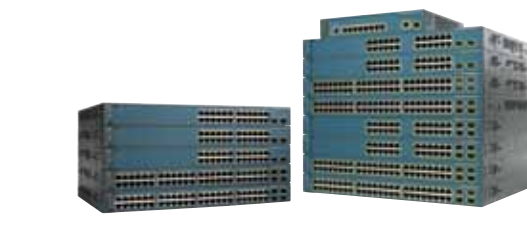
With LAN Base Software	Description	Product Number
Cisco Catalyst 3750X-24T-L	24 10/100/1000 ports and optional 4 Gig SFP or 2 10 Gig SFP+ uplinks	WS-C3750X-24T-L
Cisco Catalyst 3750X-48T-L	48 10/100/1000 ports and optional 4 Gig SFP or 2 10 Gig SFP+ uplinks	WS-C3750X-48T-L
Cisco Catalyst 3750X-24P-L	24 10/100/1000 ports with PoE+ and optional 4 Gig SFP or 2 10 Gig SFP+ uplinks with 715W power supply	WS-C3750X-24P-L
Cisco Catalyst 3750X-48P-L	48 10/100/1000 ports with PoE+ and optional 4 Gig SFP or 2 10 Gig SFP+ uplinks with 715W power supply	WS-C3750X-48P-L
Cisco Catalyst 3750X-48PF-L	48 10/100/1000 ports with PoE+ and optional 4 Gig SFP or 2 10 Gig SFP+ uplinks with 1100W power supply	WS-C3750X-48PF-L
With IP Base Software		
Cisco Catalyst 3750X-24T-S	24 10/100/1000 ports and optional 4 Gig SFP or 2 10 Gig SFP+ uplinks	WS-C3750X-24T-S
Cisco Catalyst 3750X-48T-S	48 10/100/1000 ports and optional 4 Gig SFP or 2 10 Gig SFP+ uplinks	WS-C3750X-48T-S
Cisco Catalyst 3750X-24P-S	24 10/100/1000 ports with PoE+ and optional 4 Gig SFP or 2 10 Gig SFP+ uplinks with 715W power supply	WS-C3750X-24P-S
Cisco Catalyst 3750X-48P-S	48 10/100/1000 ports with PoE+ and optional 4 Gig SFP or 2 10 Gig SFP+ uplinks with 715W power supply	WS-C3750X-48P-S
Cisco Catalyst 3750X-48PF-S	48 10/100/1000 ports with PoE+ and optional 4 Gig SFP or 2 10 Gig SFP+ uplinks with 1100W power supply	WS-C3750X-48PF-S
Cisco Catalyst 3750X-12S-S	12 Gig SFP ports with 350W power supply	WS-C3750X-12S-S
Cisco Catalyst 3750X-24S-S	24 Gig SFP ports with 350W power supply	WS-C3750X-24S-S
With IP Services Software		
Cisco Catalyst 3750X-12S-E	12 Gig SFP ports with 350W power supply	WS-C3750X-12S-E
Cisco Catalyst 3750X-24S-E	24 Gig SFP ports with 350W power supply	WS-C3750X-24S-E

Cisco Catalyst 3750 Series Switches with StackWise Technology

Model	Description	Product Number
Cisco Catalyst 3750V2-24TS	24 10/100 ports and 2 SFP uplinks	WS-C3750V2-24TS
Cisco Catalyst 3750V2-48TS	48 10/100 ports and 4 SFP uplinks	WS-C3750V2-48TS
Cisco Catalyst 3750V2-24PS	24 10/100 ports with PoE and 2 SFP uplinks	WS-C3750V2-24PS
Cisco Catalyst 3750V2-48PS	48 10/100 ports with PoE and 4 SFP uplinks	WS-C3750V2-48PS
Cisco Catalyst 3750V2-24FS-S	24 100BASE-FX ports and 2 SFP uplinks	WS-C3750V2-24FS-S

Cisco Catalyst 3560-X Series Switches

Model	Description	Product Number
With LAN Base Software		
Cisco Catalyst 3560X-24T-L	24 10/100/1000 ports and optional 4 Gig SFP or 2 10 Gig SFP+ uplinks	WS-C3560X-24T-L
Cisco Catalyst 3560X-48T-L	48 10/100/1000 ports and optional 4 Gig SFP or 2 10 Gig SFP+ uplinks	WS-C3560X-48T-L
Cisco Catalyst 3560X-24P-L	24 10/100/1000 ports with PoE+ and optional 4 Gig SFP or 2 10 Gig SFP+ uplinks with 715W power supply	WS-C3560X-24P-L



Cisco Catalyst 3560 Series Switches
Increase productivity in small enterprise LAN or branch-office environments with these access switches offering simplified management and energy efficiency.**



Cisco Catalyst 2960S Series Switches with FlexStack Stacking and LAN Base Software
These switches are the Layer 2 edge, providing improved ease of use, highly secure business operations, improved sustainability, and a borderless network experience. The Cisco Catalyst 2960-S Series Switches include new Cisco FlexStack switch stacking capability with 1 and 10 Gigabit connectivity, and Power over Ethernet Plus (PoE+) with Cisco Catalyst 2960 Switches offering fast Ethernet access connectivity and PoE capabilities. The Cisco Catalyst 2960-S Series are fixed-configuration access switches designed for enterprise, midmarket, and branch office networks to provide lower total cost of ownership. Includes Cisco EnergyWise technology that reduces energy consumption by controlling power to the PoE devices while reducing carbon footprint.**

Cisco Catalyst 2960 Series Switches with LAN Base Software

These switches are the leading Layer 2 edge, providing improved ease of use, highly secure business operations, improved sustainability, and a borderless network experience. The Cisco Catalyst 2960 Series Switches offer fast Ethernet access connectivity and PoE capabilities. The Cisco Catalyst 2960 Series are fixed-configuration access switches designed for enterprise, midmarket, and branch office networks to provide lower total cost of ownership. Includes Cisco EnergyWise technology that reduces energy consumption by controlling power to the PoE devices while reducing carbon footprint.**



Cisco Catalyst 2960S and 2960 Series Switches with LAN Lite Software

Fixed-configuration, standalone switches provide desktop Fast Ethernet connectivity for entry-level wiring closet and small branch office networks. Includes Cisco EnergyWise technology that reduces energy consumption by controlling power to the PoE devices while reducing carbon footprint. 2960S**, 2960**



Cisco Catalyst 3560-C and 2960-C