

# Cisco Catalyst Access Switching



## Cisco Modular Access Switches



### Cisco® Catalyst® 4500E Series:

- Cisco's leading platform for borderless access and price/performance distribution offering up to 848 Gbps in Layer 2 and Layer 3 switching capacity
- First Cisco switch supporting Cisco Universal Power Over Ethernet (60W per port) and Energy-Efficient Ethernet
- Full Borderless Networks services support, including Flexible NetFlow for application visibility and malware detection, medianet, Cisco TrustSec® security, and EnergyWise
- Lowers TCO with simplified operations such as sub-200msec In-Service Software Upgrade (ISSU), Embedded Event Manager, Smart Call Home, Auto Smartports, Limited Lifetime Warranty (LLW)
- Industry's best investment protection in its class with backward and forward compatibility across all generations dating back to 1999
- Single platform for access and distribution supporting up to 384 Fast Ethernet or Gigabit Ethernet (GE) ports (PoE or data) and up to 100 10 Gigabit Ethernet (10 GE) ports per chassis  
<http://www.cisco.com/en/US/products/hw/switches/ps4324/indexx.html>

### 4500E Value Bundles:

- WS-C4503E-S7L-48V+
- WS-C4506E-S7L-96V+
- WS-C4507RE+96V+, WS-C4510RE-S7+96V+

### 4500E borderless offering chassis:

- WS-C4503-E: 3-slot chassis
- WS-C4506-E: 6-slot chassis
- WS-C4507R+E: 7-slot chassis supporting redundancy
- WS-C4510R+E: 10-slot chassis supporting redundancy

### Supervisor engines:

- WS-X45-SUP7-E: 4500E Series Supervisor, 848Gbps
- WS-X45-SUP7L-E: 4500E Series Supervisor 7-E Lite, 520Gbps

### Line cards:

- WS-X4748-UPOE+E: 4500 E-Series 48-port 802.3af PoE, 802.3at PoEP and UPOE 10/100/1000
- WS-X4748-RJ45-E: 4500E Series, 48-port 10/100/1000 (RJ-45)
- WS-X4748-RJ45V+E: 4500E 48-port PoE 802.3at 10/100/1000 (RJ-45)
- WS-X4648-RJ45V+E: 4500E Series, 48-port 802.3af PoE 10/100/1000 (RJ-45)
- WS-X4648-GB-RJ45: 4500E Series, 48-port 10/100/1000 (RJ-45)

## Cisco Fixed Access Switches



### Cisco Catalyst 3750-X Series:

- GE copper and fiber stackable switches with support for advanced Layer 3 and IPv6 capabilities Higher availability and resiliency using StackWise® Plus and Cisco StackPower™ technology combined with dual redundant, hot-swappable power supplies and fan modules
- Feature rich BN services platform with Cisco TrustSec, Medianet & EnergyWise
- Support more PoE devices with 30W power available on all ports simultaneously
- Configuration flexibility and future-proofing with four hot-swappable network modules (GE and 10 GE ports) and the choice of LAN Base, IP Base, and IP Services software
- Ensure data confidentiality and integrity with Media Access Control Security (MACsec) hardware-based line-rate encryption
- EnergyWise for operational cost optimization by measuring actual power consumption of the PoE devices, reporting, and reducing energy consumption across the network
- Smart Operations to simplify LAN deployment, configuration, and troubleshooting
- Investment protection with enhanced limited lifetime warranty (eLLW)  
<http://www.cisco.com/en/US/products/ps10745/index.html>

- WS-C3750X-24T-L: Stackable 24 10/100/1000 Ethernet ports, 350W PS, LAN Base
- WS-C3750X-48T-L: Stackable 48 10/100/1000 Ethernet ports, 350W PS, LAN Base
- WS-C3750X-24P-L: Stackable 24 10/100/1000 PoE+ ports, 715W PS, LAN Base
- WS-C3750X-48P-L: Stackable 48 10/100/1000 Ethernet ports, 350W PS, LAN Base
- WS-C3750X-48PF-L: Stackable 24 10/100/1000 Ethernet ports, 1100W PS, LAN Base
- WS-C3750X-24T-S: Stackable 24 10/100/1000 Ethernet ports, 350W PS, IP Base
- WS-C3750X-48T-S: Stackable 48 10/100/1000 Ethernet ports, 350W PS, IP Base
- WS-C3750X-24P-S: Stackable 24 10/100/1000 PoE+ ports, 715W PS, IP Base
- WS-C3750X-48P-S: Stackable 48 10/100/1000 Ethernet ports, 350W PS, IP Base
- WS-C3750X-48PF-S: Stackable 24 10/100/1000 Ethernet ports, 1100W PS, IP Base
- WS-C3750X-12S-S: Stackable 12 Gigabit Ethernet SFP ports, 350W PS, IP Base
- WS-C3750X-24S-S: Stackable 24 Gigabit Ethernet SFP ports, 350W PS, IP Base
- WS-C3750X-12S-E: Stackable 12 Gigabit Ethernet SFP ports, 350W PS, IP Services
- WS-C3750X-24S-E: Stackable 24 Gigabit Ethernet SFP ports, 350W PS, IP Services



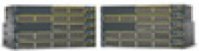
## Cisco Fixed Access Switches



## Cisco Catalyst 3560-X Series:

- GE stand-alone switch with support for advanced Layer 3 and IPv6
- Feature rich BN services platform with Cisco TrustSec, Medianet & EnergyWise
- Support more PoE devices with 30W power available on all ports simultaneously
- Configuration flexibility and future-proofing with four hot-swappable network modules (GE and 10 GE ports) and the choice of LAN Base, IP Base, and IP Services software
- High availability with dual redundant, hot-swappable power supplies and fan modules
- Ensure data confidentiality and integrity with MACsec hardware-based line-rate encryption
- EnergyWise for operational cost optimization by measuring actual power consumption of the PoE devices, reporting, and reducing energy consumption across the network
- Smart Operations to simplify LAN deployment, configuration, and troubleshooting
- Investment protection with eLLW  
<http://www.cisco.com/en/US/products/ps10744/index.html>

- WS-C3560X-24T-L: 24 10/100/1000 Ethernet ports, 350W PS, LAN Base
- WS-C3560X-48T-L: 48 10/100/1000 Ethernet ports, 350W PS, LAN Base
- WS-C3560X-24P-L: 24 10/100/1000 PoE+ ports, 715W PS, LAN Base
- WS-C3560X-48P-L: 48 10/100/1000 PoE+ ports, 715W PS, LAN Base
- WS-C3560X-48PF-L: 48 10/100/1000 PoE+ ports, 1100W PS, LAN Base
- WS-C3560X-24T-S: 24 10/100/1000 Ethernet ports, 350W PS, IP Base
- WS-C3560X-48T-S: 48 10/100/1000 Ethernet ports, 350W PS, IP Base
- WS-C3560X-24P-S: 24 10/100/1000 PoE+ ports, 715W PS, IP Base
- WS-C3560X-48P-S: 48 10/100/1000 PoE+ ports, 715W PS, IP Base
- WS-C3560X-48PF-S: 48 10/100/1000 PoE+ ports, 1100W PS, IP Base





## Cisco Catalyst 2960-S Series:

- GE switch with support for advanced Layer 2, static routing, and IPv6 manageability
- Cisco FlexStack stacking for ease of operation with Cisco Catalyst Smart Operations
- PoE+ with up to 30W per port
- Standards based 802.1x and identity based solution
- Lower operational costs through efficient switch operation
- EnergyWise for operational cost optimization by measuring actual power consumption of the PoE devices, reporting, and reducing energy consumption across the network
- Smart Operations to simplify LAN deployment, configuration, and troubleshooting
- Investment protection with eLLW  
<http://www.cisco.com/en/US/products/ps6406/index.html>

- WS-2960S-48TS-S: 48 10/100/1000 Ethernet ports, GE SFP uplink ports, LAN Lite
- WS-C2960S-24TS-S: 24 10/100/1000 Ethernet ports, GE SFP uplink ports, LAN Lite
- WS-C2960S-48FPD-L: 48 10/100/1000 PoE+ ports, 10 GE uplink ports, 740W PoE power, operational Cisco FlexStack, LAN Base
- WS-C2960S-48LPD-L: 48 10/100/1000 PoE+ ports, 10 GE uplink ports, 370W PoE power, optional Cisco FlexStack, LAN Base
- WS-C2960S-24PD-L: 24 10/100/1000 PoE+ ports, 10 GE uplink ports, 370W PoE power, optional Cisco FlexStack, LAN Base
- WS-C2960S-48TD-L: 48 10/100/1000 Ethernet ports, 10 GE uplink ports, optional Cisco FlexStack, LAN Base
- WS-C2960S-24TD-L: 24 Ethernet 10/100/1000 Ethernet, 10 GE uplink ports, LAN Base
- WS-C2960S-48FPS-L: 48 10/100/1000 PoE+ ports, GE SFP uplink ports, 740W PoE power, operational Cisco FlexStack, LAN Base
- WS-C2960S-48LPS-L: 48 10/100/1000 PoE+ ports, GE SFP uplink ports, 370W PoE power, optional Cisco FlexStack, LAN Base
- WS-C2960S-24PS-L: 24 10/100/1000 PoE+ ports, GE SFP uplink ports, 370W PoE power, optional Cisco FlexStack, LAN Base
- WS-C2960S-48TS-L: 48 10/100/1000 Ethernet ports, GE SFP uplink ports, optional Cisco FlexStack, LAN Base
- WS-C2960S-24TS-L: 24 Ethernet 10/100/1000 Ethernet, GE SFP uplink ports, LAN Base



Cisco Catalyst C Series Compact Switches

	<p>Cisco Catalyst 3560-C Series:</p> <ul style="list-style-type: none"> <li>• Fanless small form factor switch with support for Layer 3 and IPv6</li> <li>• Designed specifically to be deployed outside the wiring closet</li> <li>• PoE+ with up to 30W per port</li> <li>• Featuring PoE pass-through, an innovative feature and industry first for passing PoE power from the compact switch to end devices</li> <li>• MACsec hardware-based line-rate encryption</li> <li>• Ease of deployment with Cisco Catalyst Smart Operations</li> <li>• Investment protection with eLLW</li> </ul> <p><a href="http://www.cisco.com/en/US/products/ps11290/index.html">http://www.cisco.com/en/US/products/ps11290/index.html</a></p>	<ul style="list-style-type: none"> <li>• WS-C3560CG-8TC-S -8 GE, 2 s dual-purpose uplink, IP Base</li> <li>• WS-C3560CG-8PC-S -8 GE PoE, 2 x dual-purpose uplink, IP Base</li> <li>• WS-C3560CPD-8PT-S: Cisco Catalyst 3560C PD PSE Switch 8 GE PoE 2 x 1G, IP Base</li> <li>• WS-C3560C-8PC-S: Cisco Catalyst 3560C Switch 8 FE PoE, 2 x Dual Purpose Uplink, IP Base</li> <li>• WS-C3560C-12PC-S: Cisco Catalyst 3560C Switch 12 FE PoE, 2 x Dual Purpose Uplink, IP Base</li> </ul>
	<p>Cisco Catalyst 2960-C Series:</p> <ul style="list-style-type: none"> <li>• Fanless small form factor switch with support with comprehensive Layer 2 features</li> <li>• Designed specifically to be deployed outside the wiring closet</li> <li>• Models with and without power supplies</li> <li>• Featuring PoE passthrough, an innovative feature and industry first for passing PoE power from the compact switch to end devices</li> <li>• Ease of deployment with Cisco Catalyst Smart Operations</li> <li>• Investment protection with Enhanced Limited Lifetime Warranty (eLLW)</li> </ul> <p><a href="http://www.cisco.com/en/US/products/ps11289/index.html">http://www.cisco.com/en/US/products/ps11289/index.html</a></p>	<ul style="list-style-type: none"> <li>• WS-C2960CPD-8TT-L: Cisco Catalyst 2960-C PSE Switch 8 FE, 2 x GE, PoE+ LAN Base</li> <li>• WS-C2960CPD-8PT-L: Cisco Catalyst 2960-C PD PSE Switch 8 FE PoE, 2 x GE, PoE+ LAN Base</li> <li>• WS-C2960CG-8TC-L: Cisco Catalyst 2960-C Switch 8 GE, 2 x dual-purpose uplink, LAN Base</li> <li>• WS-C2960C-8TC-L: Cisco Catalyst 2960C Switch 8 FE, 2 x Dual Purpose Uplink, LAN Base</li> <li>• WS-C2960C-8TC-S: Cisco Catalyst 2960C Switch 8 FE, 2 x Dual Purpose Uplink, LAN Lite</li> <li>• WS-C2960C-8PC-L: Cisco Catalyst 2960C PoE Switch 8 FE PoE, 2 x Dual Purpose Uplink, LAN Base</li> <li>• WS-C2960C-12PC-L: Cisco Catalyst 2960C PoE Switch 12 FE PoE, 2 x Dual Purpose Uplink, LAN Base</li> </ul>