

Cisco IOS Software Release 15.1(2)SY1 for New Hardware Support for Cisco Catalyst 6800 Series

PB730724

Cisco IOS[®] Software Release 15.1(2)SY1 adds hardware support for the new Cisco[®] Catalyst[®] 6807-XL and 6880-X Series Switches while continuing to extend the rich set of features from Release 15.1(2)SY.

The latest technology trends such as Bring Your Own Device (BYOD), collaboration, Internet of Things (IoT), and workforce mobility are promoting enterprise IT to roll out rich network-based services and deliver on the growing demands of the next-generation enterprise. Cisco Catalyst 6800 Series Switches are next-generation SDN-ready campus backbone switches optimized for 10G/40G/100G services. They provide scalable, smart, simple, and secure services based on the Cisco Catalyst 6500 DNA for investment protection.

- **Cisco Catalyst 6807-XL** is a future-proof backbone platform to scale your campus services with no compromise.
- **Cisco Catalyst 6880-X** is a mini but mighty backbone platform with high density of 10G and rich services.
- **Catalyst 6807-XL and 6880-X** offer a one-year Limited Lifetime Warranty and competitive smartnet pricing.

For detailed information about the features and hardware supported in Release 15.1(2)SY1, refer to the Cisco IOS Software Release 15.1(2)SY1 release notes and customer documentation at http://www.cisco.com/en/US/docs/switches/lan/catalyst6500/ios/15.1SY/release_notes.html.

Not all features may be supported on all platforms. Use the Cisco Feature Navigator to find information about platform support and Cisco IOS Software image support: <http://tools.cisco.com/ITDIT/CFN/jsp/index.jsp>.

You must have an account on Cisco.com to access the Cisco Feature Navigator.

New Features

New Hardware

Cisco IOS Software Release 15.1(2)SY1 adds support for the modules listed in Table 1.

Table 1. Supported Modules

Part Number	Module
C6807-XL	Cisco Catalyst 6807-XL chassis
C6880-X	Cisco Catalyst 6880-X chassis (XL tables), fan tray, no PS, IP Service
C6880-X-LE	Cisco Catalyst 6880-X chassis (standard tables), fan tray, no PS, IP Service

Cisco Catalyst 6807-XL

Scalability

Cisco Catalyst 6807-XL (Figure 1) is a modular 7-slot switch for campus backbone with up to 880 G/slot capacity and 11.4 Tb/s (full duplex) switching capacity. It is optimized for 10/40/100 Gigabit campus services. It offers higher slot and switching capacity for the services of today and tomorrow in the campus.

Figure 1. Cisco Catalyst 6807-XL Chassis



Investment Protection

True to the long history of the Cisco Catalyst 6500 of maintaining support and interoperability of modules, the Cisco Catalyst 6807-XL provides unprecedented investment protection by supporting the Cisco Catalyst 6500 Series Supervisor Engine 2T and its family of line cards and service modules. This backward compatibility coupled with the use of the same Cisco IOS Software operating system as used on the Cisco Catalyst 6500 Series Switch not only eases the burden of upgrades and migration but also reduces the total cost of ownership.

Features and Benefits

The Cisco Catalyst 6807-XL chassis with the Cisco Catalyst 6500 Series Supervisor Engine 2T supports the Cisco Catalyst 6500 Cisco IOS Software operating system, the same operating system used on the Cisco Catalyst 6500 Series Switches. With more than 3000 features, Cisco Catalyst 6500 Cisco IOS Software is a highly evolved and mature operating system that delivers the performance, reliability, and lifecycle expected of a campus backbone switch.

Cisco Catalyst 6880-X

The Cisco Catalyst 6880-X Series Switch (Figure 2), part of the Cisco Catalyst 6800 product family, is an extensible fixed aggregation switch that delivers best-in-class Cisco Catalyst 6500 features in a fixed form factor. This 40G/100G ready platform is ideal for those who want to introduce premium 10G services in small or midsize campus backbones. Based on the proven and stable Cisco Catalyst 6500 Series Supervisor Engine 2T architecture, this unique platform delivers unprecedented capabilities on day one that include best-in-class scalability, flexible 10G port density, a complete suite of L2/L3 virtualization, Virtual Switching System (VSS), Cisco Instant Access1, Application Visibility and Control (AVC), Security (Cisco TrustSec[®]), multicast, IPv6, and rich media services (Medianet). With full MPLS/VPLS functionality and large table sizes (up to 2M IPv4 routes), this platform also offers a cost-optimal solution for Internet edge/peering deployments as well as emerging leaf-spine models.

Figure 2. Cisco Catalyst 6880-X Chassis



Deployment Options

- Standard and large table models.
- Base supervisor module with 16 ports of 10 Gigabit Ethernet Small Form Factor Pluggable Plus (SFP+) or 1 Gigabit Ethernet SFP transceivers.
- Up to 4 pluggable port cards, each supporting 16 ports of 10 Gigabit Ethernet SFP+ or 1 Gigabit Ethernet SFP. The support for the port card will be available in Cisco IOS Software Release 15.1(2)SY2.
- Expandable from 16 to 80 ports of 10 Gigabit Ethernet per system in multiples of 16.
- Single or optional dual redundant AC or DC platinum high-efficiency power supplies.
- Standalone or VSS configuration.
- All ports support SFP/SFP+ 1G or 10G transceivers with no manual reconfiguration.

For additional information about Cisco Catalyst 6800, visit:

- <http://www.cisco.com/en/US/products/hw/switches/index.html>
- http://www.cisco.com/en/US/products/ps715/product_at_a_glance_list.html
- http://www.cisco.com/en/US/products/ps715/products_data_sheets_list.html
- http://www.cisco.com/en/US/products/ps715/prod_white_papers_list.html

Ordering Information

To place an order, visit the Cisco Ordering homepage. To download software, visit the Cisco Software Center. Tables 2 through 5 list ordering information for Cisco IOS Software Release 15.1(2)SY1.

Table 2. Cisco Hardware Ordering Information

PID	Description
C6807-XL-S2T-BUN	Cisco Catalyst 6807-XL bundle: chassis + fan tray + Sup2T + IP Service + 2 power supplies
C6807-XL	Cisco Catalyst 6807-XL chassis "a la carte"
C6800-XL-3KW-AC	3,000W power supply for Cisco Catalyst 6807-XL chassis
C6807-XL-FAN	Fan tray for Cisco Catalyst 6807-XL chassis
C6880-X-LE	Cisco Catalyst 6880-X chassis (standard tables), fan tray, no PS, IP service
C6880-X	Cisco Catalyst 6880-X chassis (XL tables), fan tray, no PS, IP service
C6880-X-3KW-AC	Cisco Catalyst 6880-X 3KW AC power supply

PID	Description
C6880-X-3KW-DC	Cisco Catalyst 6880-X 3KW DC power supply
C6880-X-FAN	Cisco Catalyst 6880-X fan tray
C6800IA-48TD	Cisco Catalyst 6800 Instant Access - 48x1G - data
C6800IA-48FPD	Cisco Catalyst 6800 Instant Access - 48x1G - full PoE

Table 3. Cisco IOS Software Release 15.1(2)SY1 Ordering Information: Cisco Catalyst 6880-X Software Product IDs

PID	Description
S68XAEK9-15102SY	Cisco CAT6880-X IOS ADV ENT SERVICES FULL ENCRYPT
S68XAEK9N-15102SY	Cisco CAT6880-X IOS ADV ENT SERVICES NPE
S68XISK9-15102SY	Cisco CAT6880-X IOS IP SERVICES FULL ENCRYPT
S68XISK9N-15102SY	Cisco CAT6880-X IOS IP SERVICES NPE

Table 4. Cisco IOS Software Release 15.1(2)SY1 Ordering Information: Supervisor 2T Software Product IDs

PID	Description
S2TAEK9-15102SY	Cisco CAT6000-VS-S2T IOS ADV ENT SERV FULL ENCRYPT
S2TAEK9N-15102SY	Cisco CAT6000-VS-S2T IOS ADVANCED ENTERPRISE SERVICES NPE
S2TAEK9-15102SY	Cisco CAT6000-VS-S2T IOS ADVANCED IP SERVICES FULL ENCRYPT
S2TAEK9N-15102SY	Cisco CAT6000-VS-S2T IOS ADVANCED IP SERVICES NPE
S2TIBK9-15102SY	Cisco CAT6000-VS-S2T IOS IP BASE FULL ENCRYPT
S2TIBK9N-15102SY	Cisco CAT6000-VS-S2T IOS IP BASE NPE
S2TISK9-15102SY	Cisco CAT6000-VS-S2T IOS IP SERV FULL ENCRYPT
S2TISK9N-15102SY	Cisco CAT6000-VS-S2T IOS IP SERV NPE

Table 5. Cisco IOS Software Release 15.1(2)SY1 Ordering Information: Supervisor 720 Software Product IDs

PID	Description
S733AE-15102SY	Cisco CAT6000-SUP720 IOS ADV ENT SERV
S733AEK9-15102SY	Cisco CAT6000-SUP720 IOS ADV ENT SERV SSH
S733AIK9-15102SY	Cisco CAT6000-SUP720 IOS ADVANCED IP SERVICES SSH
S733IS-15102SY	Cisco CAT6000-SUP720 IOS IP SERVICES
S733ISK9-15102SY	Cisco CAT6000-SUP720 IOS IP SERV FULL ENCRYPT
SV33AE-15102SY	Cisco CAT6000-VSS720 IOS ADV ENT SERV
SV33AEK9-15102SY	Cisco CAT6000-VSS720 IOS ADV ENT SERV SSH
SV33AIK9-15102SY	Cisco CAT6000-VSS720 IOS ADVANCED IP SERVICES SSH
SV33IB-15102SY	Cisco CAT6000-VSS720 IOS IP BASE
SV33IBK9-15102SY	Cisco CAT6000-VSS720 IOS IP BASE SSH
SV33ISK9-15102SY	Cisco CAT6000-VSS720 IOS IP SERV FULL ENCRYPT

Product Management Contact

Cisco Catalyst 6500/6800 Marketing Team (cco-6500-external@cisco.com)

Cisco IOS Software Center

Download Cisco IOS Software releases and access software upgrade planners at <http://www.cisco.com/cisco/web/download/index.html>.

Support

Cisco IOS Software Release 15.1(2)SY1 follows the standard Cisco support policy. For more information, visit http://www.cisco.com/en/US/products/products_end-of-life_policy.html.

Cisco Services

Cisco Services integrate closely with CMO teams as an essential element of any technology solution. If you have not already received targeted services content blocks for integration, contact your Cisco Services marcom manager. If you are not sure of the appropriate contact, send an email to ca-marcom@cisco.com.

Cisco Services make networks, applications, and the people who use them work better together.

Today, the network is a strategic platform in a world that demands better integration between people, information, and ideas. The network works better when services, together with products, create solutions aligned with business needs and opportunities.

The unique Cisco Lifecycle approach to services defines the requisite activities at each phase of the network lifecycle to help ensure service excellence. With a collaborative delivery methodology that joins the forces of Cisco, our skilled network of partners, and our customers, we achieve the best results.

For More Information

For more information about the Cisco Catalyst 6500/6800 Series, visit the product homepage at <http://www.cisco.com/go/6800> or contact your local account representative.



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