Cisco Catalyst 3850 Series Switches

The Cisco Catalyst 3850 Series provides capabilities that ideally suited to support the convergence of wired and wireless access. The new Cisco Unified Access Data™ Plane (UADP) Application-Specific Integrated Circuit (ASIC) powers the switch and enables uniform wired-wireless policy enforcement, application visibility, flexibility, and application optimization.

Product Overview of Cisco Catalyst 3850 Series Switches

● Integrated wireless controller capability with:

● Up to 40G of wireless capacity per switch (48-port RJ45 models)

● Support for up to 100 access points and 2000 wireless clients on each switching entity (switch or stack)

● 24 and 48 10/100/1000Mbps data PoE+ and Cisco UPOE models with Energy-Efficient Ethernet (EEE)

● 24 and 48 100Mbps/1/2.5/5/10 Gbps Cisco UPOE models with Energy-Efficient Ethernet (EEE)

● 12- and 24-port 1 Gigabit Ethernet SFP-based models

●12- and 24-port 1/10 Gigabit Ethernet SFP+-based models

● 48-port 1/10 Gigabit Ethernet SFP+ model with 4 fixed 40 Gigabit Ethernet QSFP+ uplinks

● Cisco StackWise-480 technology provides scalability and resiliency with 480 Gbps of stack throughput[1]

● Cisco StackPower? technology provides power stacking among stack members for power redundancy1

● Five optional uplink modules[2] with 4 x Gigabit Ethernet, 2 x 10 Gigabit Ethernet, 4 x 10 Gigabit Ethernet[3], 8 x 10 Gigabit Ethernet4, or 2 x 40 Gigabit Ethernet QSFP+[4] ports

● Dual redundant, modular power supplies and three modular fans providing redundancy

● Full IEEE 802.3at (PoE+) with 30W power on all copper ports in 1 Rack Unit (RU) form factor

● Cisco UPOE with 60W power per port in 1 Rack Unit (RU) form factor

● IEEE 802.3bz (2.5/5 G/s BASE-T) to go beyond 1 Gb/s with existing Cat5e and Cat6

● IEEE 802.1ba AV Bridging (AVB) built-in to provide better AV experience for including improved time synchronization and QoS

● Software support for IPv4 and IPv6 routing, multicast routing, modular Quality of Service (QoS), Flexible NetFlow (FNF), and enhanced security features

● Single universal Cisco IOS? Software image across all license levels, providing an easy upgrade path for software features

● Cisco DNA services delivered through Cisco ONE? Software, providing simplified, high-value solutions with license portability and flexibility

● Support for AES-256 with the powerful MACSEC 256-bit for SFP+ and Multigigabit models and 128-bit encryption algorithm available on all models

● Enhanced Limited Lifetime Warranty (E-LLW) with Next Business Day (NBD) advance hardware replacement and 90-day access to Cisco Technical Assistance Center (TAC) support

Switch Models and Configurations

All switches ship with one of the five power supplies (350WAC, 715WAC, 750WAC, 1100WAC, or 440WDC)[5]. Figures 1 through 4 show the Cisco Catalyst 3850 Series Switches.

Models of Cisco Catalyst 3850 Series Switches:

WS-C3850-24T，WS-C3850-48T，WS-C3850-24P，WS-C3850-48P，WS-C3850-48F，WS-C3850-24U，WS-C3850-48U，

WS-C3850-24XU，
C3850-NM-4-1G, C3850-NM-2-10G, C3850-NM-4-10G, C3850-NM-8-10G, C3850-NM-2-40G,

WS-C3850-12X48U，
C3850-NM-4-1G, C3850-NM-2-10G, C3850-NM-4-10G, C3850-NM-8-10G, C3850-NM-2-40G,

WS-C3850-12S，C3850-NM-4-1G, C3850-NM-2-10G,

WS-C3850-24S，C3850-NM-4-1G, C3850-NM-2-10G,

WS-C3850-12XS，C3850-NM-4-10G,

WS-C3850-24XS，C3850-NM-4-10G, C3850-NM-8-10G, C3850-NM-2-40G,

WS-C3850-48XS, WS-C3850-24S-E,WS-C3850-12S-S,WS-C3850-12X48U-E,WS-C3850-48T-E,WS-C3850-24T-E