



Cisco 3650 vs. Cisco 3850

The Cisco 3850 is a more powerful switch than the Cisco 3650 with higher bandwidth and support for more wireless access points & wireless clients. It offers modular uplinks as well as Cisco StackPower for up to 9 switches and a built in stacking module. The FRUs power supplies are larger than the 3650's. The 3850 supports Cisco UPOE to provide an available 60 watts per port rather than the 30 watts per port of Standard PoE.

DIFFERENCES

	3650	3850
STACKING BANDWIDTH	160 GBPS	480 GBPS
CISCO STACKPOWER	No	Yes
MODULAR UPLINKS	No	Yes
STACKING MODULE	Optional	Built-on
POWER	Dual FRUs	Dual FRUs, Expandable Power System (XPS)
POWER SUPPLY	250WAC, 640WAC, 640WDC, and 1025WAC	350WAC, 715WAC, 1100WAC, and 440WDC
CISCO UPOE	No	Yes
WIRELESS ACCESS POINTS per switching entity (Switch or Stack)	25	50
WIRELESS CLIENTS per switching entity (Switch or Stack)	1000	2000

SIMILARITIES

- Maximum members in a stack > 9
- Wireless capacity per switch (48-port models) > 40G
- Memory > 4GB
- Flash > 2GB
- L3 Features > OSPF, PIM, BGP, EIGRP, IS-IS
- Smart Operations > Client, Director
- Cisco TrustSec: Security Group Tag (SGT) > Yes
- Cisco TrustSec: Cisco MACsec > HW Capable
- Cisco Trustsec: Device sensor > HW Capable
- Cisco Trustsec: SGA > Yes
- Native Flexible NetFlow on all Ports
- Wireshark
- High Availability > Stateful Switchover (SSO)
- Hot Swappable > Yes
- Dual Power Supply > Yes
- Dual Fan Modules > Yes
- PoE+ > Full
- IPSLA VO > HW Capable
- Medianet: Mediatrace > HW Capable
- Medianet: Performance Monitor > HW Capable
- Quality of Service (QoS) > Advanced
- Embedded Event Manager (EEM) > Yes
- Converged Wired/Wireless access > Yes
- Service Discovery gateway (Bonjour gateway) > Yes
- Software-defined networking (SDN)/OnePK > HW Capable

