



Get a Quote

## Overview

Cisco next generation Catalyst WS-C3850-48T-E is 48 Ethernet ports stackable enterprise level switch with IP Service IOS image.

## Quick Specification

|   |   |
|---|---|
| Product Code                                | WS-C3850-48T-E                              |
| Enclosure Type                              | 1RU   |
| Feature Set                                 | IP Service                                  |
| Network SFP uplink module selection         | C3850-NM-4-1G、C3850-NM-2-10G、C3850-NM-4-10G |
| Ports                                       | 48 x 10/100/1000                            |
| Maximum stacking number                     | 9   |
| Stack bandwidth                             | 480 Gpbs                                    |
| Switching Capacity                          | 176 Gpbs                                    |
| Forwarding Performance                      | 130.95Mpps                                  |
| RAM   | 4 GB  |
| Flash Memory                                | 2 GB  |
| Number of AP per switch/stack               | 100   |
| Number of wireless clients per switch/stack | 2000  |
| Dimensions                                  | 4.45 cm x 44.5 cm x 44.5 cm                 |
| Package Weight                              | 17.49 Kg                                    |

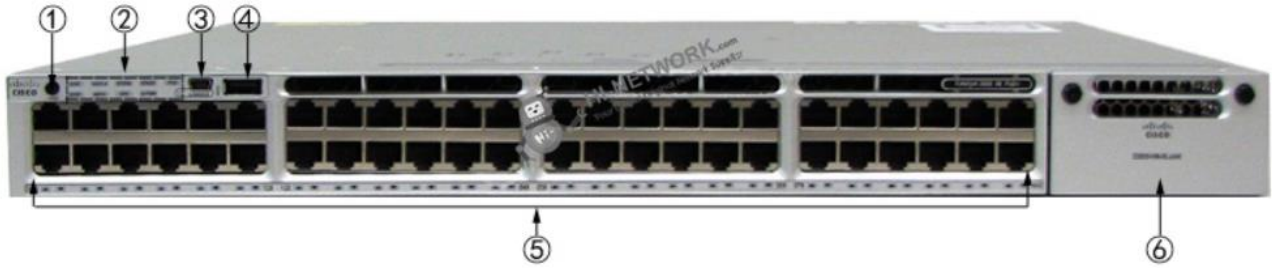


Get a Quote



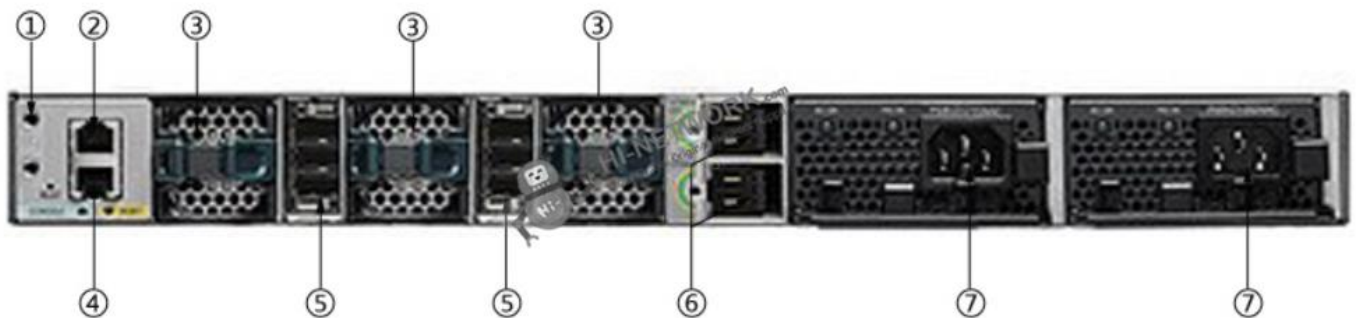
**Product Details:**

**The Front Panel:**



|   |                                 |
|---|---------------------------------|
| ① | Mode button                     |
| ② | Status LEDs                     |
| ③ | USB mini-Type B (console) port  |
| ④ | USB Type A storage port         |
| ⑤ | 48 * 10/100/1000 Ethernet ports |
| ⑥ | Network SFP uplink module slot  |

**The Other Panel:**



|   |                              |
|---|------------------------------|
| ① | Ground connector             |
| ② | CONSOLE (RJ-45 console port) |
| ③ | Fan module                   |
| ④ | MGMT port                    |





Get a Quote

|   |                           |
|---|---------------------------|
| ⑤ | StackWise port connectors |
| ⑥ | StackPower connectors     |
| ⑦ | Power supply modules      |

## Accessories For WS-C3850:

### Modules and Cables:

| Part number                    | Description  |
|--------------------------------|--|
| <a href="#">C3850-NM-4-1G</a>  | Cisco 3850 Series 4 x 1GE Network Module   |
| <a href="#">C3850-NM-2-10G</a> | Cisco 3850 Series 2 x 10GE Network Module  |
| <a href="#">C3850-NM-4-10G</a> | Cisco 3850 Series 4 x 10GE Network Module  |
| PWR-C1-350WAC                  | Cisco 3850 Series Power Supply 350W AC   |
| PWR-C1-350WAC/2                | Cisco 3850 Series Secondary Power Supply 350W AC Config 1 Secondary Power Supply |
| CAB-SPWR-30CM                  | Catalyst 3750X and 3850 Stack Power Cable 30 CM                                  |
| CAB-SPWR-150CM                 | Catalyst 3750X and 3850 Stack Power Cable 150 CM                                 |
| STACK-T1-50CM=                 | Cisco StackWise-480 50cm stacking cable for Cisco Catalyst 3850 series switch    |
| <a href="#">STACK-T1-1M=</a>   | Cisco StackWise-480 1m stacking cable for Cisco Catalyst 3850 series switch      |

### Compare to Similar Items

| Models                              | <a href="#">WS-C3850-48T-E</a>                    | WS-C3850-48T-S                                    |
|-------------------------------------|---|---|
| Feature Set                         | IP Service  | IP Base   |
| Network SFP uplink module selection | C3850-NM-4-1G<br>C3850-NM-2-10G<br>C3850-NM-4-10G | C3850-NM-4-1G<br>C3850-NM-2-10G<br>C3850-NM-4-10G |
| Ports                               | 48 * 10/100/1000 Ethernet ports                   | 48 * 10/100/1000 Ethernet ports                   |

Get more information:

Do you have any question about WS-C3850-48T-E?

Contact us now via e-mail: [info@hi-network.com](mailto:info@hi-network.com)





Get a Quote

## Specific Data Sheet:

|   |  |
|---|--|
| Model                                       | WS-C3850-48T-E   |
| Enclosure type                              | Rack-mountable – 1U  |
| Ports                                       | 48 x 10/100/1000   |
| Network management Interface                | Ethernet management port: RJ-45 connectors, 4-pair Cat-5 UTP cabling<br>Management console port: RJ-45-to-DB9 cable for PC connections   |
| Available PoE Power                         | None   |
| Switching Capacity                          | 176 Gbps   |
| Maximum stacking number                     | up to 9 switches with same IOS feature set in same series  |
| Stack Bandwidth                             | 480 Gbps   |
| Forwarding Performance                      | 130.95Mpps   |
| FNF entries                                 | 48,000 flows   |
| Maximum VLANs IDs                           | 4000   |
| Maximum VLANs IDs                           | 32K  |
| CPU   | Multicore CPU  |
| RAM   | 4 G  |
| Flash Memory                                | 2 G  |
| Number of AP per switch/stack               | 100  |
| Number of wireless clients per switch/stack | 2000   |
| Total number of WLANs per switch            | 64   |
| Wireless bandwidth per switch               | up to 40 Gbps  |
| Supported Aironet AP series                 | 3600, 3500, 2600, 1600, 1260, 1140, 1040   |
| Console ports                               | USB (Type-B), Ethernet (RJ-45)   |
| Expansion Slot(s)                           | 1 network module slot and 1 power redundant slot   |
| Network Modules Selection                   | <ul style="list-style-type: none"> <li>● C3850-NM-4-1G: 4 x 1G uplinks network module</li> <li>● C3850-NM-4-10G: 4 x 10G uplinks network module</li> <li>● C3850-NM-2-10G: 2 x 10G or 4 x 1G uplinks network module</li> </ul>                         |
| Stacking cable                              | <ul style="list-style-type: none"> <li>● STACK-T1-50CM StackWise stacking cable with a 0.5 m length</li> <li>● STACK-T1-1M StackWise stacking cable with a 1.0 m length</li> <li>● STACK-T1-3M StackWise stacking cable with a 3.0 m length</li> </ul> |
| Stack Power Cable (recommended)             | <ul style="list-style-type: none"> <li>● CAB-SPWR-30CM stack power cable with a 30CM length</li> <li>● CAB-SPWR-150CM stack power cable with a 150CM length</li> </ul>   |
| Power supply                                | PWR-C1-350WAC  |
| Power Device                                | Power supply – redundant – plug-in module  |
| Power Redundancy                            | optional   |





Get a Quote

|  |  |
|--|--|
| Voltage range (Auto)                       | 100V-240V  |
| Power Consumption of standalone (in Watts) | 127.24 (max)   |
| Width                                      | 17.5 Inches (44.5 cm)  |
| Depth                                      | 17.7 Inches (44.9 cm)  |
| Height                                     | 1.75 Inches (4.45 cm)  |
| Weight                                     | 17.0 Pounds (7.7Kg)  |
| Rack Mounting Kit                          | optional   |
| MTBF in hours                              | 303,660  |
| Compliant Standards                        | <ul style="list-style-type: none"> <li>● IEEE 802.1D Spanning Tree Protoco</li> <li>● IEEE 802.1p CoS Prioritization</li> <li>● IEEE 802.1Q VLAN</li> <li>● IEEE 802.1s</li> <li>● IEEE 802.1w</li> <li>● IEEE 802.1X</li> <li>● IEEE 802.1X-Rev</li> <li>● IEEE 802.11</li> <li>● IEEE 802.1ab (LLDP)</li> <li>● IEEE 802.3ad</li> <li>● IEEE 802.3x full duplex on 10BASE-T, 100BASE-TX, and 1000BASE-T ports</li> <li>● IEEE 802.3 10BASE-T</li> <li>● IEEE 802.3u 100BASE-TX</li> <li>● IEEE 802.3ab 1000BASE-T</li> <li>● IEEE 802.3z 1000BASE-X</li> <li>● RMON I and II standards</li> <li>● SNMP v1, v2c, and v3</li> <li>● IEEE 802.3af and IEEE 802.3at</li> </ul> |
| System software                            | IOS IP Services  |
| EnergyWise license                         | ENERGY-MGMT, ENERGY-MGT-100-K9   |
| Access Point Licenses                      | <ul style="list-style-type: none"> <li>● L-LIC-CT3850-UPG: Primary upgrade license SKU for Cisco 3850 wireless controller (e-delivery)</li> <li>● L-LIC-CTIOS-1A: 1 access point adder license for Cisco IOS Software based wireless controller (e-delivery)</li> <li>● LIC-CT3850-UPG: Primary upgrade license SKU for Cisco 3850 wireless controller (paper license)</li> <li>● LIC-CTIOS-1A: 1 access point adder license for the Cisco IOS Software based wireless controller (paper license)</li> </ul>   |
| Features                                   | <ul style="list-style-type: none"> <li>● EEM ● RPS Support ● IP service-level agreements (SLAs) ● Advanced IP unicast routing protocols ● Jumbo Frames</li> <li>● VLANs ● Voice Vlan ● VTPv2 ● CDPv2 ● LLDP ● 802.3ad LACP and PAGP ● PVST/PVST+ ● 802.1W/802.1S</li> <li>● Port Fast/Uplink Fast ● Dynamic Trunking Protocol (DTP) ● port CoS Trust and Override ● Trusted Boundary</li> </ul>  |





Get a Quote

|  |  |
|--|--|
|  | <ul style="list-style-type: none"> <li>• ACL Classification • Ingress Policing • Auto QoS • Per VLAN policies • 802.1p queues • Scheduling • Priority Queuing • Configure CoS Priority Queues • Configure CoS Priority Queues • Configure Queue Weights • Configure Buffers and Thresholds • Class &amp; Policy Maps</li> <li>• Modify CoS and DSCP Mapping • Weighted Tail Drop • IGMPv1,v2,v3 and MLDv1, v2 • DHCP server • DSCP transparency • HSRP, VRRP, BLGP • RIPv1, v2 EIGRP, PIM OSPF, OSPFv3, EIGRPv6, BGPv4, IS-ISv4 • VRF-lite • PIM-SM/DM, PIM sparse-dense mode, SSM • Flexible Netflow</li> </ul>   |
| Advanced Network security                                | <ul style="list-style-type: none"> <li>• Port security • DHCP snooping • Dynamic ARP inspection (DAI) • IP source guard • The Unicast Reverse Path Forwarding (uRPF)</li> <li>• Bidirectional data support on a SPAN • User authentication</li> <li>• Private VLAN • Router and VLAN ACLs • complete identity and security</li> <li>• Multidomain authentication • MAC address notification</li> <li>• IGMP filtering • Cisco security VLAN ACL</li> <li>• Secure Shell (SSH) Protocol, Kerberos, and Simple Network Management Protocol Version 3 (SNMPv3)</li> <li>• Port-based ACLs • TrustSec SXP • IEEE 802.1ae</li> <li>• TACACS+ and RADIUS authentication • Cisco standard and extended IP security router ACLs</li> <li>• Bridge protocol data unit (BPDU) Guard</li> <li>• Spanning Tree Root Guard (STRG) • Wireless end-to-end security</li> </ul> |
| Technical Support and Services                           | <ul style="list-style-type: none"> <li>• Cisco SMARTnet Service • Cisco Smart Foundation Service</li> <li>• Cisco SP Base Service • Cisco Focused Technical Support Services</li> </ul>  |
| Operating temperature up to 5000 ft (1500 m)             | 23°F to 113°F (-5°C to +45°C)  |
| Operating temperature up to 10,000 ft (3000 m)           | 23°F to 104°F (-5°C to +40°C)  |
| Short-term exception at sealevel with single fan failure | 23°F to 113°F (-5°C to +45°C)  |
| Short-term exception up to 5000 feet (1500 m)            | 23°F to 122°F (-5°C to 50°C)   |
| Short-term exception up to 10,000 feet (3000 m)          | 23°F to 113°F (-5°C to 45°C)   |
| Operating temperature up to 6000 ft (1800 m)             | 23°F to 113°F (-5°C to +45°C)  |
| Operating temperature up to 10,000 ft (3000 m)           | 23°F to 104°F (-5°C to +40°C)  |
| Operating temperature up to 13,000 ft (4000m)            | 23°F to 95°F (-5°C to 35°C)  |
| Short-term exception up to 6,000 feet (1800 m)           | 23°F to 131°F (-5°C to +55°C)  |
| Short-term exception up to 10,000 feet (3000 m)          | 23°F to 122°F (-5°C to +50°C)  |
| Short-term exception up to 13,000 feet (4000 m)          | 23°F to 113°F (-5°C to +45°C)  |
| Short-term exception at sealevel with single fan failure | 23°F to 113°F (-5°C to +45°)   |
| Storage environment                                      | -40°F to 160°F (-40°C to 70°C)   |
| Operating altitude                                       | Up to 13,000 Feet (Up to 4000m)  |
| Storage altitude   | Up to 15,000 Feet (Up to 4573m)  |
| Operating relative humidity                              | 10% to 95% noncondensing   |
| Storage relative humidity 5                              | 10% to 95% noncondensing   |



Get a Quote

## Want to Buy

---

Get a Quote



[Learn More](#) about Hi-Network



[Search](#) our Resource Library



[Follow](#) us on LinkedIn



Contact for [Sales or Support](#)

## Contact HI-NETWORK.COM For Global Fast Shipping

---

HongKong Office Tel: +00852-66181601

HangZhou Office Tel: +0086-571-86729517

Email: [info@hi-network.com](mailto:info@hi-network.com)

Skype: echo.hinetwork

WhatsApp Business: +8618057156223