

**Cisco**  
**WS-C3750X-48T-S (USED)**  
**Datasheet**



## Product Overview

- Cisco's Catalyst 3750-X series brings high-density, enterprise-class Layer 3 switching with advanced management for scalable networks.
- Designed for mid- to large-size businesses, system integrators, and managed service providers seeking reliable, secure LAN core and access solutions.
- Key specs include 48 x 10/100/1000BASE-T ports, up to 160 Gbps switching/forwarding bandwidth, and support for hot-swappable dual redundant power supplies.
- Differentiators include modular uplink expansion, Cisco EnergyWise for power optimization, and advanced stackable architecture for easy scaling.
- Deployment is simplified via Smart Operations, auto-configuration tools, and comprehensive diagnostics, reducing ongoing management workload.
- With robust security, energy efficiency, and simple expansion, the WS-C3750X-48T-S keeps network operations agile and cost-effective for growing enterprises.

## Product Highlights

- **Borderless Networking:** Seamlessly connects users, devices, and resources, supporting secure access anywhere with enhanced user experiences.
- **EnergyWise Efficiency:** Optimizes energy consumption across the network, enabling cost savings and sustainable business operations.
- **Modular Flexibility:** Optional network module slot for uplink expansion and hot-swappable redundant power supplies for high availability.
- **Smart Management:** Automated deployment, granular control, and advanced troubleshooting reduce complexity and maintenance efforts.

## Detailed Features



### WS-C3750X-48T-S (USED)

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Component	Specification
Ports	48 x 10/100/1000 Ethernet
Switching Capacity	160 Gbps
Forwarding Bandwidth	160 Gbps
Power Supply	Dual Redundant (Hot-swappable)
Dimension	17.5 x 18.0 x 1.8 in



### Borderless Connectivity

The WS-C3750X-48T-S delivers true borderless networking, supporting seamless connectivity for users and devices across diverse locations. Powered by Cisco's Borderless Networks architecture, it enables unified access to information while maintaining secure, reliable data flows. This approach is essential for enabling modern workspace mobility and flexible digital experiences.

### Robust Sustainability Features

Cisco's EnergyWise technology empowers organizations to track, manage, and reduce power consumption throughout their network infrastructure. Features like intelligent power management and Energy Efficient Ethernet help cut operating costs, minimize environmental impact, and support corporate sustainability initiatives with measurable results.

### Modular Power and Resilience

With hot-swappable dual redundant power supplies and StackPower technology, the switch ensures operational continuity and flexible power distribution across stack members. High availability features minimize downtime risks, supporting mission-critical applications and delivering business resilience for large, distributed environments.

### Comprehensive Security

Advanced networking security mechanisms protect against unauthorized access and evolving threats. Integrated borderless security features include device/user authentication, dynamic network segmentation, and proactive monitoring, ensuring secure service delivery even as the network perimeter expands.

### Automated Smart Operations

Cisco Catalyst Smart Operations streamline switch deployment, replacement, and troubleshooting. Technologies such as Smart Install, Auto Smartports, and Smart Troubleshooting minimize manual intervention, cutting down setup time and long-term maintenance efforts for IT teams.

### Flexible, Intelligent Management

Advanced management tools offer centralized control, real-time event monitoring, and dynamic configuration capabilities. Embedded Event Manager (EEM) and web or CLI interfaces support customizable automation, helping enterprises adapt network operations to business needs with efficiency.

### Layer 3 Advanced Support

Comprehensive Layer 3 routing protocols are supported, including static, RIP, OSPF, and more. This enables dynamic, scalable routing across complex networks, supporting seamless data transfer for organizations requiring robust, multi-site connectivity.

### Reliable Environmental Tolerance

Designed for demanding network conditions, the switch operates efficiently in varied environments with robust tolerances for temperature, humidity, and acoustic noise. This makes the WS-C3750X-48T-S a stable choice for diverse deployment scenarios.

## Technical Specifications

### Product Specifications

Feature	Value
Product Series	Catalyst 3750-X
Type	Layer 3 Managed Switch
Stackable	Yes
Ethernet Ports	48 × 10/100/1000BASE-T (RJ45)
Network Module Slot	Optional (for uplink expansion)
Forwarding Bandwidth	160 Gbps
Switching Bandwidth	160 Gbps
DRAM	256 MB
Flash Memory	128 MB
Power Supply	Dual Redundant (Hot-swappable)



Feature	Value
Power Consumption	350 W
MTBF	291,732 hours
Dimensions	17.5 × 18.0 × 1.8 in (44.45 × 45.72 × 4.57 cm)
Operating Temperature	0°C to 45°C (32°F to 113°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Humidity	5% to 95% (non-condensing)
Acoustic Noise	42 dBA at 30°C
Compliance	RoHS

## Product Comparison

Feature	WS-C3750X-48T-S (USED)	C9500-12Q-A	C1-C4503E-S7L+48V+
Ethernet Ports	48 × 10/100/1000BASE-T	12 × 40GE QSFP+	48 × 10/100/1000BASE-T
Switching Bandwidth	160 Gbps	960 Gbps	136 Gbps
Stackable	Yes	No	Yes (with Supervisor)
Power Supply	Dual Redundant (Hot-swappable)	Dual Redundant	Dual Redundant
Network Module Slot	Optional (for uplink expansion)	Not supported	3 Module Slots
Layer 3 Routing	Supported	Advanced	Supported
Energy Efficiency	Cisco EnergyWise	Cisco UADP ASIC	Not specified
Management	Smart Operations, EEM	WebUI, CLI, REST	WebUI, CLI, SNMP

## Accessories

Category	Accessories
Included Accessories	<ul style="list-style-type: none"> <li>- Power Adapter</li> <li>- Mounting Brackets</li> <li>- Console Cable</li> </ul>



Category	Accessories
Optional Accessories	<ul style="list-style-type: none"><li>- SFP Transceiver</li><li>- StackPower Cable</li><li>- Network Module</li></ul>



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## References

[1] Cisco Systems. (2023). Catalyst 3750-X and 3560-X Series Switches Data Sheet. Retrieved from [https://www.cisco.com/c/en/us/products/collateral/switches/catalyst-3560-x-series-switches/data\\_sheet\\_c78-584733.html#Features](https://www.cisco.com/c/en/us/products/collateral/switches/catalyst-3560-x-series-switches/data_sheet_c78-584733.html#Features)