

WS-C3650-12X48UQ-S

Datasheet

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Overview

Stackable 12 100M/1G/2.5G/5G/10G Cisco UPOE™ downlink ports, 36 10/100/1000 Cisco UPOE™ downlink ports, four 10-Gigabit uplink SFP+ ports, 1100-W power supply

Specification

WS-C3650-12X48UQ-S Specification

Capacity

Type	Virtual interfaces (VLANs)
Value	4094

Dimensions & Weight

Width	17.5 in
Depth	19.1 in
Height	1.7 in
Weight	16.71 lbs

Environmental Parameters

Min Operating Temperature	23 °F
Max Operating Temperature	113 °F
Humidity Range Operating	5 - 96% (non-condensing)
Min Storage Temperature	-40 °F
Max Storage Temperature	158 °F

Flash Memory

Installed Size	4 GB
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Header

Compatibility	PC
Manufacturer	Cisco Systems
Packaged Quantity	1
Product Line	Cisco Catalyst

WS-C3650-12X48UQ-S Specification

Model	3650-12X48UQ-E
Brand	Cisco
Interface Provided	
Qty	4
Type	Management (mini-USB)
Connector Type	Type B
Comments	Management
PoE Power	60 W
Miscellaneous	
Rack Mounting Kit	Included
Compliant Standards	BSMI CNS 13438 Class A, CISPR 22 Class A, CISPR 24, CSA C22.2 No. 60950-1 Second Edition, EN 60950-1 Second Edition, EN 61000-3-2, EN 61000-3-3, EN55022 Class A, EN55024, FCC Part 15 A, GOST, ICES-003 Class A, IEC 60950-1 Second Edition, ISO 7779, KCC, KN22 Class A, KN24, NOM, RoHS, UL 60950-1 Second Edition, VCCI Class A
Authentication Method	Kerberos, RADIUS, Secure Shell (SSH), TACACS+
MTBF	203,130 hours
Height (Rack Units)	1
Color Category	Black
Networking	
Type	Switch
Remote Management Protocol	CLI, RMON 1, RMON 2, RMON 3, RMON 9, SNMP 1, SNMP 2c, SNMP 3, SSH, Telnet
Compliant Standards	IEEE 802.1ab (LLDP), IEEE 802.1D, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3, IEEE 802.3ab, IEEE 802.3ad (LACP), IEEE 802.3af, IEEE 802.3at, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z
Status Indicators	Active, PoE, Port duplex mode, Port transmission speed, Status, System
Ports Qty	48
Features	Access Control List (ACL) support, ARP support, Auto-negotiation, Auto-uplink (auto MDI/MDI-X), Cisco StackWise Technology, Class of Service (CoS), DHCP snooping, DHCP support, DiffServ Code Point (DSCP) support, Dynamic ARP Inspection (DAI), Dynamic Trunking Protocol (DTP) support, Energy Efficient Ethernet, Flexible NetFlow (FNF), Full duplex capability, Hot Standby Router Protocol (HSRP) support, IGMP snooping, IPv6 support, Layer 2 switching, Link Aggregation Control Protocol (LACP), LLDP support, MAC Address Notification, MLD snooping, Multiple Spanning Tree Protocol (MSTP) support, Port Aggregation Protocol (PAGP) support, Quality of Service (QoS), RADIUS support, Rapid Per-VLAN Spanning Tree Plus (PVRST+), Rapid Spanning Tree Protocol (RSTP) support, Remote Switch Port Analyzer (RSPAN), Shaped Round Robin (SRR), Spanning Tree Protocol (STP) support, Strict Priority Queuing (SPQ), Syslog support, Trivial File Transfer Protocol (TFTP) support, Trunking, Uni-Directional Link Detection (UDLD), Unicast Reverse Path Forwarding (URPF), Virtual Route Forwarding-Lite (VRF-Lite), VLAN support
Routing Protocol	BGP-4, EIGRP for IPv6, IS-IS, OSPFv3, PIM-DM, PIM-SM, PIM-SSM, Policy-based routing (PBR), RIP-1, RIP-2, RIPng, Static IP routing
MAC Address Table Size	32000 entries

WS-C3650-12X48UQ-S Specification

Stackable	Stackable
Subcategory	Network hubs and switches
Power Over Ethernet (PoE)	UPOE
Advanced Switching	Layer 3
Manageable	Yes
Form Factor	Desktop, Rack-mountable
Jumbo Frame Support	9198 bytes
Subtype	Gigabit Ethernet
PoE Budget	660 W
Performance	
Type	Switching capacity
Value	272 Gbps
Ports	
Qty	36
Type	10/100/1000 (UPOE)
Ports (2nd)	
Qty	12
Type	100/1000/2.5G/5G/10G (UPOE)
Ports (3rd)	
Qty	4
Type	10 Gigabit SFP+ (uplink)
Power Device	
Frequency Required	50/60 Hz
Power Provided	1100 Watt
Installed Qty	1
Max Supported Qty	2
Nominal Voltage	AC 120/230 V
Power Redundancy	Optional
Power Redundancy Scheme	1+1 (with optional power supply)

WS-C3650-12X48UQ-S Specification

Type	Internal power supply
Hot-Plug	Hot-plug
RAM	
Installed Size	4 GB
Service	
Support Details Type	Technical support
Support Details Service Included	Phone consulting
Support Details Full Contract Period	90 days
Service & Support	
Type	Limited lifetime warranty
Service & Support Details	
Response Time	Next business day
Slot Provided	
Type	Stacking Module slot
Total Qty	1
Free Qty	1
Software	
Type	Cisco IOS IP Base

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Selection Decision

 [Cisco's New Switch Selection Decision 2018](#)

Support and Resources

 [Cisco Switch Catalyst 3650 Series Datasheet](#)

Transition Guide

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