

WS-C3650-24PDM-E Datasheet

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Overview

Stackable 24 10/100/1000 PoE+ downlink ports, two 1-Gigabit SFP uplink ports, two 10-Gigabit SFP+ uplink ports, Fixed 640-W power supply

Specification

WS-C3650-24PDM-E Specification

General

Device Type	Switch - 24 ports - L3 - managed - stackable
Enclosure Type	Desktop, rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	24 x 10/100/1000 (PoE+) + 2 x 10 Gigabit SFP+ (uplink) + 2 x 1000Base-X SFP (uplink)
Power Over Ethernet (PoE)	PoE+
PoE Budget	390 W
Performance	Switching capacity: 88 Gbps Forwarding performance: 68.45 Mpps Stacking bandwidth: 160 Gbps
Capacity	IPv4 routes: 24000 NetFlow entries: 24000 Virtual interfaces (VLANs): 4094 Switched virtual interfaces (SVIs): 1000 IPv4 routes: 24000 Wireless LANs: 64
MAC Address Table Size	32000 entries
Jumbo Frame Support	9198 bytes
Routing Protocol	BGP-4, IS-IS, RIP-1, RIP-2, PIM-SM, static IP routing, PIM-DM, EIGRP for IPv6, OSPFv3, PIM-SSM, policy-based routing (PBR), RIPng
Remote Management Protocol	SNMP 1, RMON 1, RMON 2, RMON 3, RMON 9, Telnet, SNMP 3, SNMP 2c, SSH, CLI
Authentication Method	Secure Shell (SSH), RADIUS, TACACS+
Features	Layer 3 switching, DHCP support, ARP support, trunking, VLAN support, IGMP snooping, IPv6 support, Stateful switchover (SSO), Rapid Spanning Tree Protocol (RSTP) support, Multiple Spanning Tree Protocol (MSTP) support, DHCP snooping, Port Aggregation Protocol (PAgP) support, Access Control List (ACL) support, Quality of Service (QoS), RADIUS support, Jumbo Frames support, Multiple SSID support, Virtual Route Forwarding-Lite (VRF-Lite), MLD snooping, Dynamic ARP Inspection (DAI), Cisco StackWise Technology, CleanAir technology, Uni-Directional Link Detection (UDLD), Rapid Per-VLAN Spanning Tree Plus (PVRST+), Link Aggregation Control Protocol (LACP), Remote Switch Port Analyzer (RSPAN), CAPWAP support, Energy Efficient Ethernet, Wireless Intrusion Prevention System (WIPS), Flexible NetFlow (FNF), radio resource management (RRM), Software Defined Networking (SDN)
Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3af, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s, IEEE 802.1ab (LLDP), IEEE 802.3at
RAM	4 GB

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Flash Memory	2 GB
Status Indicators	Port transmission speed, port duplex mode, system, active, status, PoE
Expansion / Connectivity	
Interfaces	24 x 1000Base-T RJ-45 PoE+ - 30 W ¦ 1 x USB Type A ¦ 1 x serial (console) RJ-45 management ¦ 1 x management (Gigabit LAN) RJ-45 management ¦ 1 x management (mini-USB) Type B management ¦ 2 x 1000Base-X SFP uplink ¦ 2 x 10GBase-X SFP+ uplink
Expansion Slots	1 (total) / 1 (free) x Stacking Module slot
Power	
Power Device	Internal power supply - hot-plug
Installed Qty	1 (installed) / 2 (max)
Power Redundancy	Optional
Power Redundancy Scheme	1+1 (with optional power supply)
Power Provided	975 Watt
Voltage Required	AC 120/230 V (50/60 Hz)
Miscellaneous	
Included Accessories	Fixed accessory kit
Rack Mounting Kit	Included
MTBF	304,860 hours
Compliant Standards	CISPR 22 Class A, GOST, BSMI CNS 13438 Class A, CISPR 24, EN 61000-3-2, NOM, EN 61000-3-3, EN55024, EN55022 Class A, ICES-003 Class A, RoHS, UL 60950-1 Second Edition, KCC, FCC Part 15 A, ISO 7779, CSA C22.2 No. 60950-1 Second Edition, EN 60950-1 Second Edition, IEC 60950-1 Second Edition, VCCI Class A, KN24, KN22 Class A
Software / System Requirements	
Software Included	Cisco IOS IP Services
Dimensions & Weight	
Width	17.5 in
Depth	11.7 in
Height	1.7 in
Weight	12.26 lbs
Manufacturer Warranty	
Service & Support	Limited warranty - replacement - lifetime - response time: next business day ¦ Technical support - phone consulting - 90 days
Environmental Parameters	

WS-C3650-24PDM-E Specification

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

Download Resource

Selection Decision

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

Support and Resources

 [Cisco Switch Catalyst 3650 Series Datasheet](#)

Transition Guide

 [Guide to Upgrade Cisco Access and Backbone Switch](#)

 [Selecting Cisco Switches-Campus, Branch, Digital Building](#)

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