



Overview

The Cisco Catalyst 3650 Series Switch, with Cisco StackWise-160 Technology, can stack 9 switches and support up to 160 Gpbs stack bandwidth. The WS-C3650- 24TD-S integrates with 24 Ethernet ports and 2 x 10G SFP+ or 4 x 1G SFP uplink ports in IP base feature set.

Quick Specification

| | |
|-------------------------|---------------------------------|
| Product Code | WS-C3650-24TD-S |
| Enclosure Type | Rack-mountable – 1U |
| Feature Set | IP Base |
| Uplink Interfaces | 2 x 10G SFP+ or 4 x 1G SFP |
| Ports | 24 x 10/100/1000 Ethernet ports |
| Maximum stacking number | 9 |
| Stack bandwidth | 160Gbps |
| Forwarding Performance | 41.66Mpps |
| Switching Capacity | 68.45Gbps |
| RAM | 4 GB |
| Flash Memory | 2 GB |
| Dimensions | 44.5 cm x 44.5 cm x 4.4 cm |
| Package Weight | 17.49 Kg |



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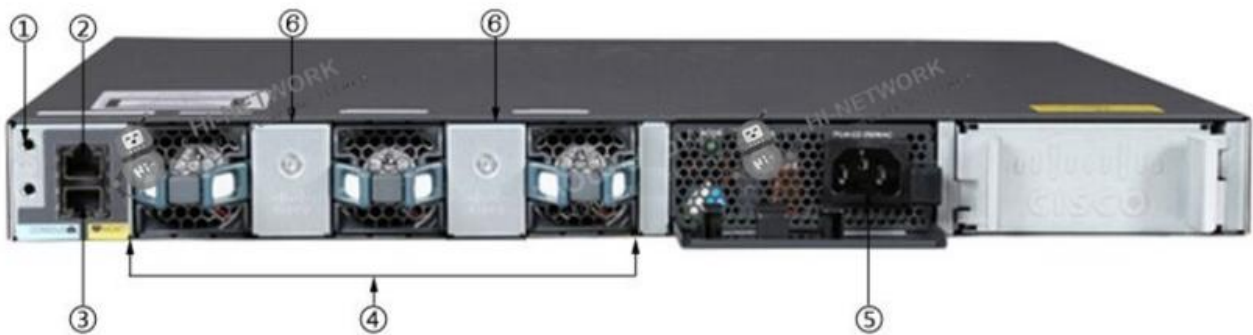
Product Details:

The Front Panel:



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|---|--------------------------------------|
| ① | Mode button |
| ② | Status LEDs |
| ③ | USB mini-Type B (console) port |
| ④ | USB Type A storage port |
| ⑤ | 24 x 10/100/1000 POE+ Ethernet Ports |
| ⑥ | Uplink ports |

The Back Panel:



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| ① | Ground Connector |
| ② | CONSOLE (RJ-45 console port) |





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| ③ | MGMT (RJ-45 10/100/1000 management port) |
| ④ | Fan module |
| ⑤ | Power Supply modules |

Accessories For C3650:

Modules and Cables:

| Part number | Description |
|----------------------------------|--|
| C3650-STACK-KIT | Cisco Catalyst 3650 Stack Module Spare |
| L-C3650-24-S-E | C3650-24 IP Base to IP Services Electronic RTU License |
| PWR-C2-640WAC= | 640W AC Config 2 Secondary Power Supply |
| CAB-CONSOLE-RJ45 | Console Cable 6ft with RJ45 and DB9F |
| CAB-CONSOLE-USB | Console Cable 6 ft with USB Type A and mini-B |

Compare To Similar Items:

| Models | WS-C3650-24TD-L | WS-C3650-24TD-S |
|-------------------|--|------------------------------------|
| Feature Set | LAN Base | IP Base |
| Uplink Interfaces | 2 x 1G SFP, 2 x 10G SFP+OR 4 x 1G SFP uplink ports | 2 x 10G SFP+ OR 4 x 1G SFP uplinks |
| Ports | 24 * 10/100/1000 Ethernet ports | 24 * 10/100/1000 Ethernet ports |

Get more information:

Do you have any question about WS-C3650-24TD-S?

Contact us now via e-mail: info@hi-network.com

Specific Data Sheet:

| | |
|------------------------------|--|
| Model | WS-C3650-24TD-S |
| Enclosure type | Rack-mountable – 1U |
| Ports | 24 x 10/100/1000 + 2 x 10G SFP+ & 2 x 1G SFP |
| Network management Interface | Ethernet management port: RJ-45 connectors, 4-pair Cat-5 UTP cabling Management console port: RJ-45-to-DB9 cable for PC connections |





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| Available PoE Power | None |
| Switching Capacity | 88 Gbps |
| Maximum stacking number | 9 |
| Stack Bandwidth | 160 Gbps |
| Forwarding Performance | 68.45Mpps |
| FNF entries | 24000 |
| Maximum VLANs IDs | 4,094 |
| Maximum VLANs IDs | 32K |
| CPU | Multicore CPU |
| RAM | 4 G |
| Flash Memory | 2 G |
| Number of AP per switch/stack | 50 |
| Number of wireless clients per switch/stack | 1000 |
| Total number of WLANs per switch | 64 |
| Wireless bandwidth per switch | up to 20 Gbps |
| Supported Aironet AP series | 3700, 3600, 3500, 2600, 1600, 1260, 1140, 1040 |
| Console ports | USB (Type-B), Ethernet (RJ-45) |
| Expansion Slot(s) | power redundant slot |
| Accessory & Rack Moubt Kits | (1)ACC-KIT-T1: Accessory kit (2)RACK-KIT-T1: Rack mount kit (3)4PT-KIT-T1:Extension rails and brackets for four-point mounting |
| Stacking module & cable | (1)C3650-STACK-KIT: Stack Module (2)STACK-T2-50CM: StackWise-160 stacking cable with a 0.5 m length (3)STACK-T2-1M: StackWise-160 stacking cable with a 1.0 m length (4)STACK-T2-3M: StackWise-160 stacking cable with a 3.0 m length |
| Power supply | PWR-C2-640WAC |
| Power Device | Power supply – redundant – plug-in module |
| Power Redundancy | optional |
| Voltage range (Auto) | 100V-240V |
| Power Consumption of standalone (in Watts) | 70.1 (max) |
| Width | 17.5 Inches (44.5 cm) |
| Depth | 17.5 Inches (44.5 cm) |
| Height | 1.73 Inches (4.4 cm) |
| Shipping Weight | 17.49 Kg |
| Rack Mounting Kit | optional |
| MTBF in hours | 661,800 |



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| <p>Compliant Standards</p> | <ul style="list-style-type: none"> ● IEEE 802.1D Spanning Tree Protocol ● IEEE 802.1p CoS Prioritization ● IEEE 802.1Q VLAN ● IEEE 802.1s ● IEEE 802.1w ● IEEE 802.1X ● IEEE 802.1X-Rev ● IEEE 802.11 ● IEEE 802.1ab (LLDP) ● IEEE 802.3ad ● IEEE 802.3x full duplex on 10BASE-T, 100BASE-TX, and 1000BASE-T ports ● IEEE 802.3 10BASE-T ● IEEE 802.3u 100BASE-TX ● IEEE 802.3ab 1000BASE-T ● IEEE 802.3z 1000BASE-X ● RMON I and II standards ● SNMP v1, v2c, and v3 |
| <p>System software</p> | <p>IOS IP Base (Upgradable)</p> |
| <p>EnergyWise license</p> | <p>ENERGY-MGMT, ENERGY-MGT-100-K9</p> |
| <p>Access Point Licenses</p> | <ul style="list-style-type: none"> ● L-LIC-CT3650-UPG: Primary upgrade license SKU for Cisco 3650 wireless controller (e-delivery) ● L-LIC-CTIOS-1A: 1 access point adder license for Cisco IOS Software based wireless controller (e-delivery) ● L-LIC-CTIOS-1A: 1 access point adder license for Cisco IOS Software based wireless controller (e-delivery) ● LIC-CTIOS-1A: 1 access point adder license for the Cisco IOS Software based wireless controller (paper license) |
| <p>features</p> | <ul style="list-style-type: none"> ● EEM ● RPS Support ● IP service-level agreements (SLAs) ● Advanced IP unicast routing protocols ● Jumbo Frames ● VLANS ● Voice Vlan ● VTPv2 ● CDPv2 ● LLDP ● 802.3ad LACP and PAgP ● PVST/PVST+ ● 802.1W/802.1S ● Port Fast/Uplink Fast ● Dynamic Trunking Protocol (DTP) ● port CoS Trust and Override ● Trusted Boundary ● 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 & Policy Maps ● Modify CoS and DSCP Mapping ● Weighted Tail Drop ● IGMPv1,v2,v3 and MLDv1, v2 ● DHCP server ● DSCP transparency ● HSRP, VRRP, BGP ● RIPv1, v2 EIGRP, PIM OSPF, OSPFv3, EIGRPv6, BGPv4, ISISv4 ● VRF-lite ● PIM-SM/DM, PIM sparse-dense mode, SSM ● Flexible Netflow |
| <p>Advanced Network security</p> | <ul style="list-style-type: none"> ● Port security ● DHCP snooping ● Dynamic ARP inspection (DAI) ● IP source guard ● The Unicast Reverse Path Forwarding (uRPF) ● Bidirectional data support on a SPAN ● User authentication ● Private VLAN ● Router and VLAN ACLs ● complete identity and security ● Multidomain authentication ● MAC address notification ● IGMP filtering ● Cisco security VLAN ACL ● Secure Shell (SSH) Protocol, Kerberos, and Simple Network Management Protocol Version 3 |





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| | <p>(SNMPv3)</p> <ul style="list-style-type: none"> • Port-based ACLs • TrustSec SXP • IEEE 802.1ae • TACACS+ and RADIUS authentication • Cisco standard and extended IP security router ACLs • Bridge protocol data unit (BPDU) Guard • Spanning Tree Root Guard (STRG) • Wireless end-to-end security |
| Technical Support and Services | <ul style="list-style-type: none"> • Cisco SMARTnet Service • Cisco Smart Foundation Service • Cisco SP Base Service • Cisco Focused Technical Support Services |
| 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 16,400 Feet (Up to 5000m) |
| Storage altitude | Up to 16,400 Feet (Up to 5000m) |
| Operating relative humidity | 5% to 96% noncondensing |
| Storage relative humidity 5 | 5% to 96% noncondensing |





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