Tel: +44 (0)1279 408 777
Email: sales@gocomsys.com
Website: www.gocomsys.com

Refurbished CISCO WS-C3650-48TD-S Datasheet

CISCO > SWITCHES

Cisco Catalyst 3650 Series Switches

Cisco Catalyst 3650 Series Configurations

Models	
Fixed Uplinks	2 x 10 Gigabit Ethernet with SFP+ and 2 x 1 Gigabit Ethernet with SFP

Cisco Catalyst 3650 Performance Specifications

Performance Numbers for All Switch Models	
Switching capacity	176 Gbps on 48-port models (non-multigigabit models) 92 Gbps on 24-port models (non-multigigabit models) 254 Gbps on 24-port Multigigabit models with 2x10G uplink 272 Gbps on 24-port Multigigabit models with 4x10G uplink 392 Gbps on 48-port Multigigabit models with 4x10G uplink 472 Gbps on 48-port Multigigabit models with 8x10G uplink 472 Gbps on 48-port Multigigabit models with 2x40G uplink
Stacking bandwidth	160 Gbps
Total number of MAC addresses	32,000
Total number of IPv4 routes (ARP plus learned routes)	24,000
FNF entries	48,000 flow on 48-port models 24,000 flows on 24-port models
DRAM	4 GB
Flash	2 GB (non-Multigigabit models) and 4GB (Multigigabit models)
VLAN IDs	4,094
Total switched virtual interfaces (SVIs)	1,000
Jumbo frame	9198 bytes
Wireless	
Number of access points per switch/ stack	25
Number of wireless clients per switch/ stack	1000
Total number of WLANs per switch	64
Wireless bandwidth per switch	Up to 40 Gbps on 48-port models Up to 20 Gbps on 24-port models
2 x 10 Gigabit Ethernet Uplink-Models	
3650-24TD 3650-24PD 3650-24PDM	68.45 Mpps
3650-48TD 3650-48PD 3650-48FD	104.16 Mpps
3650-8X24PD	172.61 Mpps
4 x 10 Gigabit Ethernet Uplink-Models	
3650-48TQ 3650-48PQ 3650-48FQ	130.95 Mpps

3650-48FQM	
3650-8X24UQ	202.38 Mpps

Dimensions, Weight, Acoustic, MTBF, and Environmental Range

Weight

Pounds	15.90
Kilograms	7.21

MTBF Hours

MTBF Hours	527,580

Environmental Ranges

With AC Power Supply Operating Environment and Altitude	Normal operating temperature and altitudes: -5ºC to +45ºC, up to 5000 feet (1500m) -5ºC to +40ºC, up to 10,000 feet (3000m) -5ºC to +35ºC, up to 13,000 feet (4000m) -5ºC to +30ºC, up to 16,400 feet (5000m) Minimum ambient temperature for cold start is 32°F (0°C).
With AC Power Supply Operating Environment and Altitude for WS-C3650-24PDM and WS-C3650-48FQM	Normal operating temperature and altitudes: -5ºC to +45ºC, up to 5000 feet (1500m) -5ºC to +45ºC, up to 10,000 feet (3000m) Minimum ambient temperature for cold start is 32°F (0°C).
With DC Power Supply Operating Environment and Altitude (NEBS)	Normal operating temperature and altitudes: -5ºC to +45ºC, up to 6000 feet (1800m) -5ºC to +40ºC, up to 10,000 feet (3000m) -5ºC to +35ºC, up to 13,000 feet (4000m) -5ºC to +30ºC, up to 16,400 feet (5000m)

Acoustic Noise Measured Per ISO 7779 and Declared Per ISO 9296 Bystander Positions Operating to an Ambient Temperature of 25°C

Acoustic Noise Measured Per ISO 7779 and Declared Per ISO 9296 Bystander Positions Operating to an Ambient Temperature of 25°C	With AC or DC power supply (with 16 PoE+ ports loaded): LpA: 45dB typical, 48dB maximum 42dB typical, 45dB maximum for WS-C3650-24PDM and WS-C3650-48FQM LwA: 5.5B typical, 5.8B maximum 5.3B typical, 5.6B maximum for WS-C3650-24PDM and WS-C3650-48FQM Typical: Noise emission for a typical configuration Maximum: Statistical maximum to account for variation in production
Storage Environment	Temperature: -40 to 158º F (-40 to 70º C) Altitude: 16,400 ft (5,000 m)
Vibration	Operating: 0.41Grms from 3 to 500Hz with spectral break points of 0.0005 G2/Hz at 10Hz and 200Hz 5dB/octave roll off at each end.
Shock	Operating: 30G, 2ms half sine

Connectors

Connectors and cabling	1000BASE-T ports: RJ-45 connectors, 4-pair Cat-5E UTP cabling 1000BASE-T SFP-based ports: RJ-45 connectors, 4-pair Cat-5E UTP cabling 100BASE-FX, 1000BASE-SX, -LX/LH, -ZX, -BX10, DWDM and CWDM SFP transceivers: LC fiber connectors (single-mode or multimode fiber) 10GBASE-SR, LR, LRM, CX1 (v02 or higher) SFP+ transceivers: LC fiber connectors (single-mode or multimode fiber) Cisco StackWise-160 stacking ports: copper-based Cisco StackWise cabling Ethernet management port: RJ-45 connectors, 4-pair Cat-5 UTP cabling Management console port: RJ-45-to-DB9 cable for PC connections
Power connectors	Customers can provide power to a switch by using the internal power. The connectors are located at the back of the switch Internal power supply connector: The internal power supply is an auto-ranging unit. The internal power supply supports input voltages between 100 and 240VAC. Use the supplied AC power cord to connect the AC power connector to an AC power outlet

Power Consumptions (in Watts) of Standalone Cisco Catalyst 3650 Series

	Model
Fixed Uplink	2 x 10 Gigabit Ethernet with SFP+ and 2 x 10 Gigabit Ethernet with SFP+ or 4 x Gigabit Ethernet with SFP
100% Traffic	90.9
Weighted Average	93.9
Model	89.40

Safety and Compliance Information for Cisco Catalyst 3650 Series

	Description
Description	Specification
Safety Certifications	UL 60950-1 Second Edition CAN/CSA-C22.2 No. 60950-1 Second Edition EN 60950-1 Second Edition IEC 60950-1 Second Edition GOST NOM (obtained by partners and distributors)
Electromagnetic Emissions Certifications	47CFR Part 15 (CFR 47) Class A (FCC Part 15 Class A) AS/NZS CISPR22 Class A CISPR22 Class A EN55022 Class A ICES003 Class A VCCI Class A EN61000-3-2 EN61000-3-3 KN22 Class A KCC CNS13438 Class A EN55024 CISPR24 KN24
Environmental	Reduction of Hazardous Substances (ROHS) 5
Noise Specifications	Office Product Spec: 48dBA at 25°C (refer to ISO 7779)
Telco	Common Language Equipment Identifier (CLEI) Code

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Tel: +44 (0)1279 408 777

Email: sales@gocomsys.com

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