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Overview

WS-X6716-10G-3CXL consists of 16 X2 10 Gigabit Ethernet fiber ports line card module for Cisco Catalyst 6500 series only. WS-X6716-10G-3CXL equipped with WS-X6716-10G and WS-F6700-DFC3CXL and primarily designed for Supervisor Engine 720 with 3CXL daughter card to support Cisco 6500 Virtual Switching System (VSS) 1440. WS-X6716-10G-3CXL is ideally suited for LAN campus aggregation and data center access. Users can configure 4 port groups of 4 ports each, each port group in either oversubscription mode or performance mode. In performance mode, up to 4 10 Gigabit Ethernet ports can be used to create a virtual switch link in a VSS.

Quick Specification

Product Code	WS-X6716-10G- 3CXL
Feature	16-Port 10GbE Fiber Module
Ports	16
Optics	X2
Switch fabric connection	40 Gbps (80 Gbps full duplex)
Oversubscription	4:1
Forwarding engine	● WS-X6716-10G-3CXL: equipped with DFC3CXL for distributed forwarding, supporting 1 million routes
Queues	Oversubscription mode: ● Receive: 1p7q2t per port ● Transmit: 1p7q4t per port group Performance mode: ● Receive: 8q4t per port ● Transmit: 1p7q4t per port
Queuing mechanisms	● CoS-based queue mapping ● DSCP-based queue mapping
Scheduler	Oversubscription mode: ● DWRR ● WRED Performance mode: ● DWRR ● WRED ● SRR at egress
Port buffers	Oversubscription mode: ● 90 MB per port group Performance mode: ● 200 MB per port

Hardware-based multicast replication (Layer 2)	• Ingress and egress • Approximately 20 GB per replication engine • 2 replication engines per module
Hardware-based multicast replication (Layer 3)	• Ingress and egress • Approximately 20 GB per replication engine • 2 replication engines per module
Jumbo frame support for bridged and routed packets	Up to 9216 bytes
Maximum port density per chassis	130 ports (9-slot chassis)
Maximum port density per VSS	260 ports
Can be used to form virtual switch link	• Performance mode: Yes (supported in a subsequent software release) • Oversubscription mode: No
Supervisor engines supported	Cisco Catalyst 6500 Series Virtual Switching Supervisor Engine 720 with 10GE uplinks or Supervisor Engine 720 with any PFC (chassis will work in lowest common denominator mode)
Chassis supported	• Any Cisco Catalyst 6500 E-Series chassis, including 6503-E, 6504-E, 6506-E, 6509-E, 6509-V-E, and C6509-NEB-A chassis with dual fan tray (NEBS compliant: operating temperature up to 55℃), or; • Non-E-Series chassis with fan tray 2, including Cisco Catalyst 6506, 6509, 6513, and C6509-NEB-A with single fan tray (non-NEBS compliant: operating temperature up to 40℃) • Not supported in Cisco Catalyst 6503 non-E Series chassis and 7600 Series chassis
Slot requirements	• Can occupy any slot in any Cisco Catalyst 6503-E, 6504-E, 6506, 6506-E, 6509, 6509-E, 6509-V-E, or 6509-NEB-A chassis • Can occupy only slots 9 through 13 in a Cisco Catalyst 6513 chassis
Onboard memory	1 GB default

Product Details:

The Front Panel:

Get more information:

Do you have any question about the WS-X6716-10G-3CXL?

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

Specific Data Sheet:

Standard protocols	IEEE 802.1d, IEEE 802.1p, IEEE 802.1q, IEEE 802.1s, IEEE 802.1w, IEEE 802.3x, IEEE 802.3ad, IEEE 802.3ae, IEEE 802.3ak, IEEE 802.3aq, and IEEE 802.3an
Physical specifications	● Occupies one slot in the Cisco Catalyst 6500 Series chassis or Cisco 7600 Series chassis ● Dimensions (H x W x D): 1.2 x 14.4 x 16 in. (3.0 x 35.6 x 40.6 cm) ● Weight: ◦ Cisco Catalyst 6708 and 6716: 13 pounds excluding X2 components; ¼ pound for each X2 ◦ Cisco Catalyst 6704: 10 pounds excluding XENPAK and DFC components; 2/3 pound for each XENPAK
Environmental conditions	Operating temperature: ● Agency-certified for operation: 32 to 104°F (0 to 40°C) ● Design and tested for operation 32 to 130°F (0 to 55°C) ● Storage temperature: –40 to 167°F (–40 to 75°C) ● Relative humidity: 10 to 90 percent, noncondensing Operating altitude: ● Agency-certified for operation: –500 to 6500 ft (–150 to 2000m) ● Designed and tested for operation –500 to 10000 ft (–150 to 3000m)
Regulatory compliance	Cisco Catalyst 6500 Series 10 Gigabit Ethernet modules, when installed in a system, comply with the following EMC and safety standards: EMC Standards: ● FCC Part 15 (CFR 47) Class A ● ICES-003 Class A ● VCCI Class A ● EN55022 Class A ● EN55024 ● CISPR24 ● CISPR 22 Class A ● AS/NZS CISPR 22 Class A ● ETS 300 386 ● KN 22 Class A ● EN 50082-1 ● EN61000-3-2 ● EN61000-3-3 ● EN61000-6-1 ● CNS13438 Class A ● KN6100 -4 Series Safety Standards: ● UL 60950-1 ● CAN/CSA C22.2 No. 60950 ● EN 60950-1 ● IEC 60950-1 ● AS/NZS 60950-1 ● IEC 60825 Class 1

	● EN 60825 Class 1 ● 21CFR 1040
NEBS criteria levels	SR-3580 Issue 3, June 2007 (GR-63-CORE, issue 3, and GR-1089-CORE, issue 4)
ETSI	● ETS 300 019-2-1, Class 1.1 Storage ● ETS 300 019-2-2, Class 2.1 and 2.2 Transportation ● ETS 300 019-2-3, Class 3.1E Stationary Use
Network management	● ETHERLIKE-MIB (RFC 1643) ● IF-MIB (RFC 1573) ● Bridge MIB (RFC 1493) ● CISCO-STACK-MIB ● CISCO-VTP-MIB ● CISCO-CDP-MIB ● RMON MIB (RFC 1757) ● CISCO-PAGP-MIB ● CISCO-STP-EXTENSIONS-MIB ● CISCO-VLAN-BRIDGE-MIB ● CISCO-VLAN-MEMBERSHIP-MIB ● ENTITY-MIB (RFC 2037) ● HC-RMON ● RFC1213-MIB (MIB-II) ● SMON-MIB
Power requirements	● WS-X6716-10T-3C: 509.3W (12.1A @ 42V) ● WS-X6716-10T-3CXL: 538.7W (12.8A @ 42V) ● WS-X6716-10G-3C: 457.8W (10.9A @ 42V) ● WS-X6716-10G-3CXL: 487.2W (11.6A @ 42V) ● WS-X6708-10G-3C: 444.36W (10.58A @ 42v) ● WS-X6708-10G-3CXL: 473.76w (11.28A @ 42V) ● WS-X6704-10GE with DFC3CXL: 362.46W (8.63A @ 42V) ● WS-X6704-10GE with DFC3C: 333.06W (7.93A @ 42V) ● WS-X6704-10GE with DFC3BXL: 402.36W (9.58A @ 42V) ● WS-X6704-10GE with DFC3B: 377.16W (8.98A @ 42V) ● WS-X6704-10GE with DFC3A: 389.76W (9.28A @ 42V) ● WS-X6704-10GE with CFC: 295.26W (7.03A @ 42V)
Indicators	● Status: green (operational), red (faulty), and orange (module booting) ● Link: green (port enabled and connected), orange (port disabled), and off (port enabled and not connected)

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