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## Overview

WS-X6848-TX-2T is Cisco Catalyst 6800-series interface module for 6500 E-series switch, the module comes with 48 \* 10/100/1000 Gigabit Ethernet copper ports and WS-F6K-DFC4-E daughter card. WS-X6848-TX-2T is designed for high performance Enterprise and Service Provider distribution, core layers, data-center, Web-hosting and Metro Ethernet applications to provide Gigabit Ethernet forwarding using twisted pair cabling. WS-X6848-TX-2T interface module is compatible only with Supervisor 2T, integrates with DFC4 daughter card to significantly improved the centralized forwarding performance of a system by utilizing hardware-based module.

## Quick Specs

Figure 1 shows the appearance of WS-X6848-TX-2T.



Table 1 shows the Quick Specs.

Product	Transceiver Type	Ports/Interface/ Connectors	Port Density/ Chassis Model	Maximum Frame Size	Queues per Port (Tx = Transmit, Rx = Receive),**	Scheduler	Buffer Size per Port	Onboard Memory
WS-X6848-TX-2T and WS-X6848-TX-2TXL	RJ-45	48-port, RJ-45, 100m, Category 5 cable	<ul style="list-style-type: none"> <li>● 528 ports/6513E</li> <li>● 384 ports/6509E</li> </ul>	Up to 9216 bytes/frame	● Tx-1p3q8t; Rx - 2q8t	DWRR	<ul style="list-style-type: none"> <li>● Rx-166KB</li> <li>● Tx-1.17MB</li> </ul>	1GB Default

## Compare to Similar Items

Table 3 shows the comparison of WS-X6848-TX-2T, WS-X6824-SFP-2T and WS-X6848-SFP-2T.

Product Code	WS-X6848-TX-2T	<a href="#">WS-X6824-SFP-2T</a>	<a href="#">WS-X6848-SFP-2T</a>
Description	6800 Series 48-Port 1 Gigabit Copper Ethernet Module with DFC4 & DFC4XL	6800 Series 24-Port 1 Gigabit SFP Fiber Ethernet Module with DFC4 & DFC4XL	6800 Series 48-Port 1 Gigabit SFP Fiber Ethernet Module with DFC4 & DFC4XL

## Get More Information

Do you have any question about the Cisco WS-X6848-TX-2T?

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## Specification

## 6800 Series 10 Gigabit Ethernet modules Specifications

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	<ul style="list-style-type: none"> <li>● Occupies one slot in the Cisco Catalyst 6500 E-Series chassis</li> <li>● Dimensions (H x W x D): 1.2 x 14.4 x 16 in. (3.0 x 35.6 x 40.6 cm)</li> <li>● Weight: <ul style="list-style-type: none"> <li>○ WS-X6816-10G-2T &amp; 2TXL, WS-X6816-10T-2T &amp; 2TXL: 13.6 pounds excluding X2 components; ¼ pound for each X2</li> </ul> </li> </ul>
Environmental conditions	<p>Operating temperature:</p> <ul style="list-style-type: none"> <li>● Agency-certified for operation: 32 to 104°F (0 to 40°C)</li> <li>● Design and tested for operation 32 to 130°F (0 to 55°C)</li> <li>● Storage temperature: -40 to 167°F (-40 to 75°C)</li> <li>● Relative humidity: 10 to 90 percent, noncondensing</li> </ul> <p>Operating altitude:</p> <ul style="list-style-type: none"> <li>● Agency-certified for operation: -500 to 6500 ft (-150 to 2000m)</li> <li>● Designed and tested for operation -500 to 10000 ft (-150 to 3000m)</li> </ul>
Regulatory compliance	<p>6800 Series 10 Gigabit Ethernet Copper module, when installed in a system, comply with the following EMC and safety standards:</p> <p>EMC Standards:</p> <ul style="list-style-type: none"> <li>● FCC Part 15 (CFR 47) Class A</li> <li>● ICES-003 Class A</li> <li>● VCCI Class A</li> <li>● EN55022 Class A</li> <li>● EN55024</li> <li>● CISPR24</li> <li>● CISPR 22 Class A</li> <li>● AS/NZS CISPR 22 Class A</li> <li>● ETS 300 386</li> <li>● KN 22 Class A</li> <li>● EN 50082-1</li> <li>● EN61000-3-2</li> <li>● EN61000-3-3</li> <li>● EN61000-6-1</li> <li>● CNS13438 Class A</li> <li>● KN6100 -4 Series</li> </ul> <p>Safety Standards:</p> <ul style="list-style-type: none"> <li>● UL 60950-1</li> <li>● CAN/CSA C22.2 No. 60950</li> <li>● EN 60950-1</li> <li>● IEC 60950-1</li> <li>● AS/NZS 60950-1</li> <li>● IEC 60825 Class 1</li> <li>● EN 60825 Class 1</li> <li>● 21CFR 1040</li> </ul>
NEBS criteria levels	SR-3580 Issue 3, June 2007 (GR-63-CORE, issue 3, and GR-1089-CORE, issue 4)
ETSI	<ul style="list-style-type: none"> <li>● ETS 300 019-2-1, Class 1.1 Storage</li> <li>● ETS 300 019-2-2, Class 2.1 and 2.2 Transportation</li> <li>● ETS 300 019-2-3, Class 3.1E Stationary Use</li> </ul>
Network management	<ul style="list-style-type: none"> <li>● ETHERLIKE-MIB (RFC 1643)</li> <li>● IF-MIB (RFC 1573)</li> <li>● Bridge MIB (RFC 1493)</li> <li>● CISCO-STACK-MIB</li> <li>● CISCO-VTP-MIB</li> <li>● CISCO-CDP-MIB</li> <li>● RMON MIB (RFC 1757)</li> <li>● CISCO-PAGP-MIB</li> <li>● CISCO-STP-EXTENSIONS-MIB</li> <li>● CISCO-VLAN-BRIDGE-MIB</li> <li>● CISCO-VLAN-MEMBERSHIP-MIB</li> <li>● ENTITY-MIB (RFC 2037)</li> <li>● HC-RMON</li> <li>● RFC1213-MIB (MIB-II)</li> <li>● SMON-MIB</li> </ul>
Power requirements	<ul style="list-style-type: none"> <li>● WS-X6816-10G-2T: 488.5 Watts</li> <li>● WS-X6816-10G-2TXL: 503.5 Watts</li> <li>● WS-X6816-10T-2T: 514.96 Watts</li> <li>● WS-X6816-10T-2TXL: 529.96 Watts</li> </ul>
Indicators	<ul style="list-style-type: none"> <li>● Status: green (operational), red (faulty), and orange (module booting)</li> <li>● Link: green (port enabled and connected), orange (port disabled), and off (port enabled and not connected)</li> </ul>

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