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Overview

WS-X6748-GE-TX is 48-port 10/100/1000 RJ-45 interface module for Cisco Catalyst 6500 series only. The upgradeable option of distributed forwarding daughter card makes WS-X6748-GE-TX is ideally suited to high-performance enterprise and service provider distribution, core-layers, data-center, and web-hosting applications where voice capability is not required. WS-X6748-GE-TX enables Cisco Express Forwarding local switching by adding WS-F6700-DFC3 daughter card to exclusively support Supervisor engine 720 to provide optimal interface module performance or upgrades to Cisco Express Forwarding switching by integrating with WS-F6K-DFC or WS-F6K-DFC3 to support supervisor engine 1A/2/720/32 or integrates with WS-F6K-DFC4 to operate with the Supervisor Engine 2T.

Quick Specification

Product Code	WS-X6748-GE-TX
Product Description	Cisco Catalyst 6500 Series 10/100/1000 Gigabit Ethernet interface module WS-X6748-GE-TX
Devide Tyde	Gigabit Ethernet interface copper module
Ports	48 * 10/100/1000 Ethernet ports
POE+	No option to upgrade

Product Details:

The Front Panel:



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Do you have any question about the WS-X6748-GE-TX?

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Specific Data Sheet:

Model info:	WS-X6748-GE-TX	
Product Description	Cisco Catalyst 6500 Series 10/100/1000 Gigabit Ethernet interface module WS-X6748-GE-TX	
Device Type	Gigabit Ethernet interface copper module	
Ports	48 * 10/100/1000 Ethernet ports	
POE+	No option to upgrade	
Performance or forwarding rate (Mpps)	<ul style="list-style-type: none"> • 32 Gbps; 15 Mpps per system in class interface modules • 256 Gbps using Cisco Express Forwarding; up to 30 Mpps per system in Cisco Express Forwarding 256 interface modules • Using Distributed Cisco Express Forwarding upgrade: Up to 15 Mpps per slot for slots equipped with distributed forwarding card (DFC) or DFC3 to support distributed forwarding 	<ul style="list-style-type: none"> • 720 Gbps using Cisco Express Forwarding; up to 30 Mpps per system • Using Distributed Cisco Express in Cisco Express Forwarding 720 Interface Modules Forwarding upgrade, up to 48 Mpps sustained per slot for modules equipped with DFC3 to support distributed forwarding in Cisco Express Forwarding 720 Interface Modules
Forwarding Engine architecture	<ul style="list-style-type: none"> • Centralized Cisco Express Forwarding engine located on supervisor policy feature card (PFC) makes forwarding decision • Optional: Distributed forwarding card with WS-F6K-DFC3 or WS-F6K-DFC 	
DFC upgrade option	<p>Class interface module</p> <ul style="list-style-type: none"> • Not support <p>Cisco Express Forwarding 256 Interface Modules</p> <ul style="list-style-type: none"> • Use WS-F6K-DFC) with Supervisor Engine 2 and switch fabric module 2 (SFM2) • Use WS-F6K-DFC3) with Supervisor Engine 720 	<p>Cisco Express Forwarding 720 Interface Modules</p> <ul style="list-style-type: none"> • Use WS-F6700-DFC3 with Supervisor Engine 720
Chassis or slot support requirements	<p>Class interface module</p> <ul style="list-style-type: none"> • Any Slot in any chassis <p>Cisco Express Forwarding 256 Interface Modules</p> <ul style="list-style-type: none"> • Any Slot in any chassis 	<p>Cisco Express Forwarding 720 Interface Modules</p> <ul style="list-style-type: none"> • Any slot in Cisco Catalyst 6500 E-Series. • Any slot in Cisco Catalyst 6506, Catalyst 6509, Catalyst 6509-NEB-A, and slots 9 through 13 on Cisco Catalyst 6513; Cisco Catalyst 6503 not supported
Queues	<ul style="list-style-type: none"> • Receive: 1 round robin queues, 8 threshold 	<ul style="list-style-type: none"> • Transmit: 1 priority queue, 3 round robin queues, 8 threshold
Port buffers	1.3 MB per port	
Queuing Mechanisms	<ul style="list-style-type: none"> • Class of service (CoS)-based queue mapping 	
Hardware-based Multicast replication (Layer 2)	<ul style="list-style-type: none"> • Ingress and egress • Approximately 20 GB per replication engine • 2 replication engines per module 	
Hardware-based multicast replication (layer 3)	<ul style="list-style-type: none"> • Ingress and egress 	



	<ul style="list-style-type: none"> • Approximately 10 GB per replication engine • 2 replication engines per module 	
Jumbo frame support for bridged and routed packets	Up to 9216 bytes	
Supervisor engines supported	<ul style="list-style-type: none"> • Supervisor Engine 1A • Supervisor Engine 32 	<ul style="list-style-type: none"> • Supervisor Engine 2 • Supervisor Engine 720
Chassis supported	<ul style="list-style-type: none"> • Any Cisco Catalyst 6500 E-Series chassis, C6509-NEB-A chassis, non-E-Series chassis with fan tray 2, or Cisco 7600 Series or 7600-S Series chassis fan tray 2, or Cisco 7600 Series or 7600-S Series chassis 	<ul style="list-style-type: none"> • Not supported in Cisco Catalyst 6503 non-E Series chassis
Slot requirements	<ul style="list-style-type: none"> • Any Slot in any chassis with equipped no daughter card • Any slot in Cisco Catalyst 6500 E-Series equipped with daughter card 	<ul style="list-style-type: none"> • Can occupy only slots 9 through 13 in a Cisco Catalyst 6513 or Cisco 7613 chassis

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