

Cisco 6th Generation Fabric Interconnect Ordering Guide

Introduction

The Cisco 6664 Fabric Interconnects are a core part of the Cisco Unified Computing System, providing both network connectivity and management capabilities for the system. The Cisco 6664 offers line-rate, low-latency, lossless 10/25/40/100 Gigabit Ethernet, Fibre Channel over Ethernet (FCoE), and 16/32/64 Fibre Channel.

The Cisco UCS 6664 Fabric Interconnect provides the management and communication backbone for the Cisco UCS X-Series compute nodes, UCS X9508 X-series chassis and UCS C-Series Rack Servers. All servers attached to a Cisco UCS 6664 Fabric Interconnect become part of a single, highly available management domain. In addition, by supporting a unified fabric, Cisco UCS 6664 Fabric Interconnect provides both the LAN and SAN connectivity for all servers within its domain.

From a networking perspective, the Cisco UCS 6664 uses a cut-through architecture, supporting deterministic, low-latency, line-rate 10/25/40/100 Gigabit Ethernet ports, a bandwidth of 11.65 Tbps per FI and 23.3 Tbps per unified fabric domain, independent of packet size and enabled services. It enables 1600 Gbps bandwidth per X9508 chassis per domain with a X9108-IFM-100G in addition to enabling end-to-end 100G ethernet and 200G aggregate bandwidth per X-series compute node. With X9108-IFM-25G it enables 400 Gbps bandwidth per chassis per FI domain. The product family supports Cisco low-latency, lossless 10/25/40/100 Gigabit Ethernet unified network fabric capabilities, which increase the reliability, efficiency, and scalability of Ethernet networks. The fabric interconnect supports multiple traffic classes over a lossless Ethernet fabric from the server through the fabric interconnect. Significant TCO savings come from Cisco's unified fabric design in which Network Interface Cards (NICs), Host Bus Adapters (HBAs), cables, and switches can be consolidated.

Purpose and Scope

Purpose

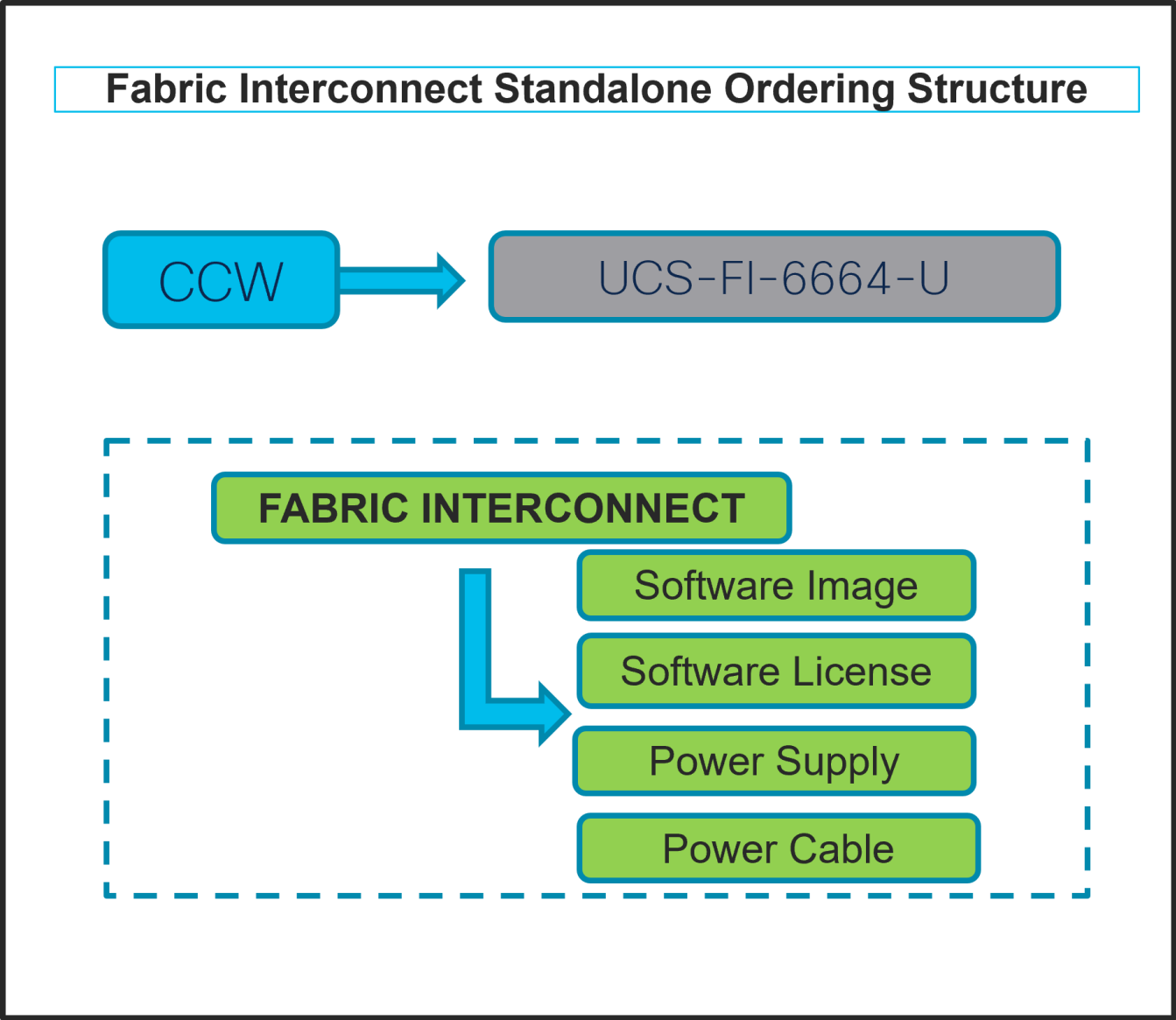
This document describes how to order the Cisco UCS 6600 Series Fabric Interconnects.

Scope

This ordering guide describes the information for:

- Ordering Structure of Cisco UCS 6600 Series Fabric Interconnects
- Catalog of Product IDs
- Ordering Server Hardware and Software options
- Links to additional resources

Ordering Structure of Cisco UCS 6600 Series Fabric Interconnects



Catalog of Product IDs (PIDs)

Note: For a complete list of part numbers for the see the Cisco <https://www.cisco.com/c/dam/en/us/products/collateral/servers-unified-computing/ucs-x-series-modular-system/ucs-6600-series-fabric-interconnect-specsheet.pdf>


Table 1. Hardware Major Line PIDs

Product ID (PID)	Description
UCS-FI-6664-U	Standalone model: UCS 6664 2RU Fabric Interconnect, with no PSU

Step By Step Ordering Process


Step 1.



⊕ UCS-FI-6664-U 1  Add


SKU	Description	Product Family	List Price (USD)
UCS-FI-6664-U	6th Generation UCS Fabric Interconnect 2RU 100G Eth, 64G FC	Cisco UCS Fabric Interconnects Core BDC	32000

[Can't Find? Search in Find Products and Solutions](#)

☐ ⊕ 1.0 **UCS-FI-6664-U**  Invalid as of 11-Jul-2025 09:07:11 PDT 21 35,000

6th Generation UCS Fabric Interconnect 2RU 100G Eth, 64G FC

PLH

 Edit Options Edit Service/Subscription Validate Recommended Content Add Note Add Subtotal Copy Rerr

- In CCW, search for PID and click on “Add”
- Click on “Edit Options” to enter the configurator.

Step 2.

Fabric Interconnect

UCS-FI-6664-U

Software Image

Software License

Power Supply

Product Configuration
UCS-FI-6664-U

21 days

Price List

US dollars (USD)

T 4

1: UCS-FI-6664-SW is defaulted under Software License. (CE100033)

2: UCS-PSU-6600-AC is defaulted under Power Supply. (CE100033)

3: UCS-FI-6664-U quantity 1 requires a minimum quantity of 1 from **Management Mode** (CE100012)

4: UCS-FI-6664-U quantity 1 requires a minimum quantity of 2 from **Power Cable** (CE100012)

We have identified the most recent successful configurations for this offer.

Configuration Summary [View Full Summary](#)

Country/Region Specification

Select Country/Region (Not Required)

Category	Qty	Extended List Price (USD)
Management Mode		
Software Image		
N10-MGT020	1	0.00
Software License		
UCS-FI-6664-SW	1	10,500.00
Power Supply		
UCS-PSU-6600-AC	2	2,888.56
Power Cable		
Transceiver and Cable Options		
Total		45,388.56
Estimated Lead Time		21 days

Reset Configuration

Cancel Done

Option Search **Multiple Options Search**

UCS-FI-6664-U > Management Mode

Management Mode

SKU	Qty
<input type="radio"/> IMM-MANAGED Deployment mode for UCS FI connected Servers in IMM mode	1
<input type="radio"/> UMM-MANAGED Deployment mode for UCS FI connected Servers in UCSM mode	1

[Show Incompatible SKUs](#)

- a. Configure UCS-FI-6664-U by selecting peripherals from category window on the left.
- b. PIDs are listed in the window on the right. Some PIDs like Please make selection of Power Cable
- c. Transceiver Cable and QSFP Cables are Optional selection.
- d. Click on "Done" when completed.

Step 3.

Fabric Interconnect

UCS-FI-6664-U

Services/Subscriptions

configuration

+

Add by SKU Description and Product Family

Lines View

Apply Premium Success Track

Manage Groups

Remove Selected Lines

More Actions

Zero List Price

Hide

	Hardware, Software and Services	Estimated Lead Time (Days)	Unit List Price (USD)
<input type="checkbox"/>	<div><div>1.0</div><div>UCS-FI-6664-U</div><div>Invalid as of 11-Jul-2025 09:18:15 PDT</div><div>6th Generation UCS Fabric Interconnect 2RU 100G Eth, 64G FC</div><div>PLH</div></div>	21	46,980.28
<div><div>Edit Options</div><div>Edit Service/Subscription</div><div>Validate</div><div>Recommended Content</div><div>Add Note</div><div>Add Subtotal</div><div>Copy</div><div>Remove Line</div></div>			

a. Click on “Edit Services/Subscription” to edit Term Duration for HW Support.

Note: It is recommended that Term Duration for HW Support must align with Software Subscription Duration.

Step 4.

Fabric Interconnect

UCS-FI-6664-U

Services/Subscriptions

Service Subscription

UCS-FI-6664-U

Price List

Global Asia-Pac Price List in US dollars (USD)

Service Total (USD)

3,036.00

Subscription Total (USD)

0.00

Service

Non Serviceable Products

SNTG, SWSSB, SP BASE, CX L1, and CX L2 are rebranded to Success Track. PSS is rebranded to Partner Success Track. Please search using the original service levels or updated service descriptions. (C01094)

Service Options

Choose Service Level from

All Service Programs

Search by Name & Description

Note:

Cisco may still install another compatible service if required. Compatible services are the services that come with primary service and are based on products.

Time Duration

Duration

Delay service start to

Co-Term service to

Duration

Months: 1 to 60

Reset

Apply

Service SKU	Product SKU	Unit List Price (USD)	Qty	Total List Price (USD)
<div>SUCCESS TRACKS ENHANCED (1 ITEM)</div> <div>SERVICE PROGRAM</div> <div>CON-L1NCO-UCSFI66C</div> <div>CX LEVEL 1 8X7XNCDOS 6th Generation UCS Fabric I...</div> <div>SERVICE SKU</div> <div>Change Service Remove Service</div>	<div>L1NCO (ENH 8X7XNCDOS)</div> <div>SUMMARY</div> <div>UCS-FI-6664-U</div> <div>6th Generation UCS Fabric Interconnect 2RU 100G Eth...</div> <div>PRODUCT SKU</div>	3,036.00	1	3,036.00

Remove All Services

Remove All Additional Services

Configuration Summary

All prices shown in USD

Services

3,036.00

Cancel

Done

a. Enter the Term Duration.

- b. Click on “Apply” and “Done”.

Step 5.

Fabric Interconnect

UCS-FI-6664-U

Software Image

Software License

Power Supply

+ Add by SKU Description and Product Family [Import Saved Configuration](#)

Lines View [Apply Premium Success Track](#) [Manage Groups](#) [Remove Selected Lines](#) [More Actions](#) **Zero List Price H** [Hide](#)

	Hardware, Software and Services	Estimated Lead Time (Days)	Unit List Price (USD)
<input type="checkbox"/>	UCS-FI-6664-U Valid as of 11-Jul-2025 09:24:52 PDT 6th Generation UCS Fabric Interconnect 2RU 100G Eth, 64G FC PLH	21	53,052.28

[Edit Options](#) [Edit Service/Subscription](#) [Validate](#) [Recommended Content](#) [Add Note](#) [Add Subtotal](#) [Copy](#) [Remove Line](#)

- a. Configuration for UCS-FI-6664-U is completed when status of each Product is Valid and warning messages are cleared.
- b. Click on the “plus” to expand and view the selections made.