

# Cisco 6th Generation Fabric Interconnect Ordering Guide



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## 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.

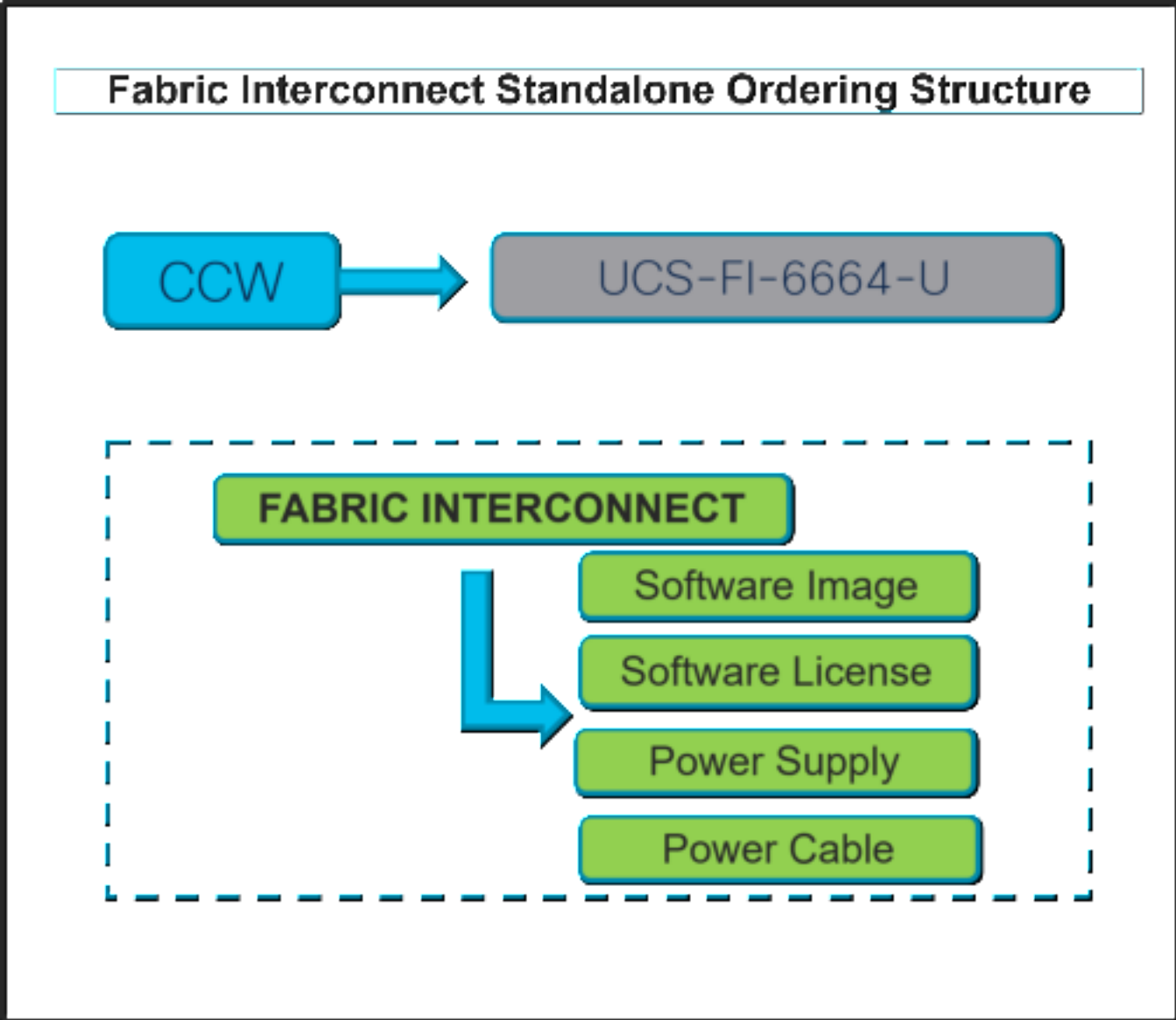
### Scope

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

a

Add

SKU	Description	Product Family	List Price <small>(USD)</small>
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 All 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

edit

b

Edit Options

Edit Service/Subscription

Validate

Recommended Content

Add Note

Add Subtotal

Copy

Print

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

## Step 2.









a. Click on “Edit Services/Subscriptions” 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.



a. Enter the Term Duration.



- b. Click on “Apply” and “Done”.

Step 5.

The screenshot displays the Cisco UCS configuration interface. At the top, a green box labeled "Fabric Interconnect" has a blue arrow pointing to a green box labeled "Software Image". Below "Software Image" is another green box labeled "Software License", and below that is a green box labeled "Power Supply". In the main configuration area, a red box labeled "a" points to the "Valid as of" date "11-Jul-2025 09:24:52 PDT". A red box labeled "b" points to the "plus" icon next to the "1.0" version number. The table below shows the configuration details for the UCS-FI-6664-U.

	Hardware, Software and Services	Estimated Lead Time (Days)	Unit List Price (USD)
<input type="checkbox"/>	1.0 UCS-FI-6664-U Valid as of 11-Jul-2025 09:24:52 PDT 6th Generation UCS Fabric Interconnect 2RU 100G Eth, 64G FC PLM	21	53,052.28

At the bottom of the table, there are several action buttons: Edit Options, Edit Service/Subscription, Validate, Recommended Content, Add Note, Add Subtotal, Copy, and 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.