Obtaining Hardware

This appendix contains the following topic.

Obtaining Hardware

Each Cisco UCS X440p PCIe Node interoperates with other required hardware to provide GPU processing offload and acceleration for the Cisco UCS X-Series compute node that is paired with it.

The following table shows the required hardware to support a fully functioning PCIe node. Use the following table when you want to order spares or additional PCIe nodes to scale out your Cisco UCS X-Fabric deployment.

Note Power cables are required and ship with the riser cages.

Hardware Component	Description	Cisco PID
Chassis	UCS X-Series Server Chassis, for example the Cisco UCS X9508 Server Chassis	UCSX-9508
Compute Nodes	UCS X-Series Compute Nodes, for example, the Cisco UCS X210c M6 Compute Node	UCSX-210C-M6 UCSX-210C-M7 UCSX-410C-M7
PCIe Nodes	UCS X-Series Gen4 PCIe node, for example the Cisco UCS X440p Front Mezzanine PCIe Node	UCSX-440P
PCIe Node Riser Cage, FHFL GPU	Riser A for one dual slot GPU per riser,	UCSX-RIS-A-440P
PCIe Node Riser Cage, HHHL GPU	Riser B for two single slot GPUs per riser	UCSX-RIS-B-440P

Hardware Component	Description	Cisco PID
PCIe Node Riser Blank (filler panel)	PCIe blank for UCS X-series 440P PCIe node	UCSX-RIS-BLK-440P
PCIe Node GPUs, HHHL	NVIDIA L4 Tensor Core, 70W, 24 GB	UCSX-GPU-L4
	NVIDIA T4 PCIE 75W 16GB	UCSX-GPU-T4-16
	Intel GPU Flex 140, Gen4x8, 75W PCIe	UCSX-GPU-FLEX140
PCIe Node GPU, HHFL	Intel GPU Flex 170, Gen4 x16, 150W PCIe	UCSX-GPU-FLEX170
PCIe Node GPUs, FHFL	NVIDIA A16 PCIe 250W 4X16GB	UCSX-GPU-A16
	TESLA A40 RTX, Passive, 300W, 48GB	UCSX-GPU-A40
	NVIDIA L40 300W, 48GB	UCSX-GPU-L40 This PID comes with a power cable included.
	TESLA A100, Passive, 300W, 80GB	UCSX-GPU-A100-80
	NVIDIA Tesla H100, Passive, 350W, 80 GB	UCSX-GPU-H100-80
Cisco UCS X-Fabric Modules (XFMs)	UCS 9416 X-Fabric module for 9508 chassis Must be deployed as a pair, so two are required per Cisco X-Series Server chassis	UCSX-F-9416
Rear Mezzanine Card	UCS PCI Mezz card for X-Fabric Connectivity Required for Cisco UCS X-Series compute nodes (for example, the Cisco UCS X210c M6 Compute Node)	UCSX-V4-PCIME