

Obtaining Hardware

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Each Cisco UCS X580p PCIe Node interoperates with other required hardware to provide GPU processing offload and acceleration for the Cisco UCS X-Series M8 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 GPU 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 M8 Compute Nodes, for example, the Cisco UCS X210c M8 Compute Node	UCSX-215C-M8 UCSX-210C-M8
	The UCS X210c M7 Compute Node	UCSX-210C-M7 (only with 5th Gen Intel® Xeon® Processor Scalable Family CPUs)
PCIe Nodes	UCS X-Series Gen5 PCIe node, for example the Cisco UCS X580p PCIe Node	UCSX-580P
GPU Cage Riser Blank (filler panel)	PCIe blank for UCS X-series 580p PCIe node	UCSX-PCIF-GPU

Hardware Component	Description	Cisco PID
PCIe Node GPUs, FHFL	NVIDIA RTX Pro 6000, PCIe, 600W, 96GB, 2-Slot, FHFL GPU	UCSX-GPU-RTXP6000 This PID comes with a power cable included.
	NVIDIA H200 NVL, PCIe, 600W, 141 GB, 2-Slot NVL2, FHFL GPU	UCSX-GPU-H200-NVL Required cable, 1 (CBL-X580p-GPU-N) is included with each GPU
	NVIDIA L40S 350W, 48GB, 2-Slot, FHFL GPU	UCSX-GPU-L40S This PID comes with a power cable included.
Cisco UCS X-Fabric Modules (XFMs)	UCS X9516 X-Fabric PCIe Gen5 switch module for 9508 chassis Must be deployed as a pair, so two are required per Cisco X-Series Server chassis	UCSX-FS-9516
Rear Mezzanine Card	UCS PCI Gen5 Mezz card for X-Fabric Connectivity Required for Cisco UCS X-Series M8 compute nodes (for example, the Cisco UCS X210c M8 Compute Node)	UCSX-V5-PCIME