Cisco UCS Virtual Interface Card 1400/14000 Series

© 2026 Cisco and/or its affiliates. All rights reserved.

Contents

Cisco Unified Computing System overview 3
Portfolio overview 3
Product overview 4
Features and benefits 16
Data center features 16
Product specifications 18
Ordering information 29
System requirements 29
Warranty information 29
Product sustainability 30
Cisco Unified Computing Services 30
Why Cisco? 30
Cisco Capital 31
For more information 31
Document history 32

© 2026 Cisco and/or its affiliates. All rights reserved.

Cisco Unified Computing System overview

The Cisco Unified Computing System (Cisco UCS) is a next-generation data center platform that unites computing, networking, storage access, and virtualization resources in a cohesive system designed to reduce Total Cost of Ownership (TCO) and increase business agility. The system integrates a low-latency, lossless 10/25/40/100 Gigabit Ethernet network fabric with enterprise-class blade and rack x86-architecture servers. The system is an integrated, scalable, multichassis platform in which all resources participate in a unified management domain.

Portfolio overview

The Cisco UCS Virtual Interface Card (VIC) 1400/14000 Series (Figure 1) extends the network fabric directly to both servers and virtual machines so that a single connectivity mechanism can be used to connect both physical and virtual servers with the same level of visibility and control. Cisco VICs provide complete programmability of the Cisco UCS I/O infrastructure, with the number and type of I/O interfaces configurable on demand with a zero-touch model.



Figure 1.
Cisco UCS VIC 1400/14000 Series

Cisco VICs support Cisco SingleConnect technology, which provides an easy, intelligent, and efficient way to connect and manage computing in your data center. Cisco SingleConnect unifies LAN, SAN, and systems management into one simplified link for rack servers, blade servers, and virtual machines. This technology reduces the number of network adapters, cables, and switches needed and radically simplifies the network, reducing complexity. Cisco VICs can support 256 Express (PCIe) virtual devices, either virtual Network Interface Cards (vNICs) or virtual Host Bus Adapters (vHBAs), with a high rate of I/O Operations Per Second (IOPS), support for lossless Ethernet, and 10/25/40/100-Gbps connection to servers. The PCIe Generation 3 x16 interface helps ensure optimal bandwidth to the host for network-intensive applications, with a redundant path to the fabric interconnect. Cisco VICs support NIC teaming with fabric failover for increased reliability and availability. In addition, it provides a policy-based, stateless, agile server infrastructure for your data center.

The Cisco UCS VIC 1400/14000 Series are fourth-generation adapters designed for UCS X-Series M6 Blade Servers, B-Series M5 and M6 Blade Servers, C-Series M5 and M6 Rack Servers, and S-Series M5 Storage Servers. The adapters support 10/25/40/100-Gigabit Ethernet and Fibre Channel over Ethernet (FCoE) using Cisco's next-generation Converged Network Adapter (CNA) technology. These VICs offer a comprehensive feature set, providing investment protection for future feature software releases. In addition, the VIC supports Cisco's Data Center Virtual Machine Fabric Extender (VM-FEX) technology. This technology extends the Cisco UCS fabric interconnect ports to virtual machines, simplifying server virtualization deployment.

© 2026 Cisco and/or its affiliates. All rights reserved.

Product overview

Cisco VIC 1440

The Cisco UCS VIC 1440 (Figure 3) is a single-port 40-Gbps or 4x10-Gbps Ethernet/FCoE capable modular LAN On Motherboard (mLOM) designed for Cisco UCS B-Series M5 and M6 Blade Servers. When used in combination with an optional port expander, the Cisco UCS VIC 1440 capabilities are enabled for two ports of 40-Gbps Ethernet. The Cisco UCS VIC 1440 enables a policy-based, stateless, agile server infrastructure that can present to the host PCIe standards-compliant interfaces that can be dynamically configured as either NICs or HBAs.

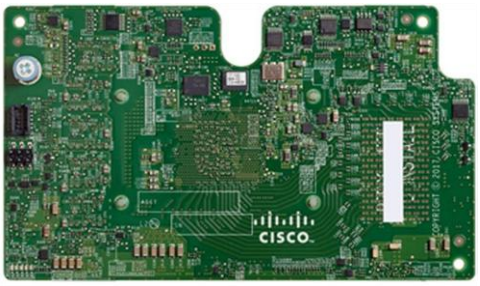


Figure 2.
Cisco UCS VIC 1440

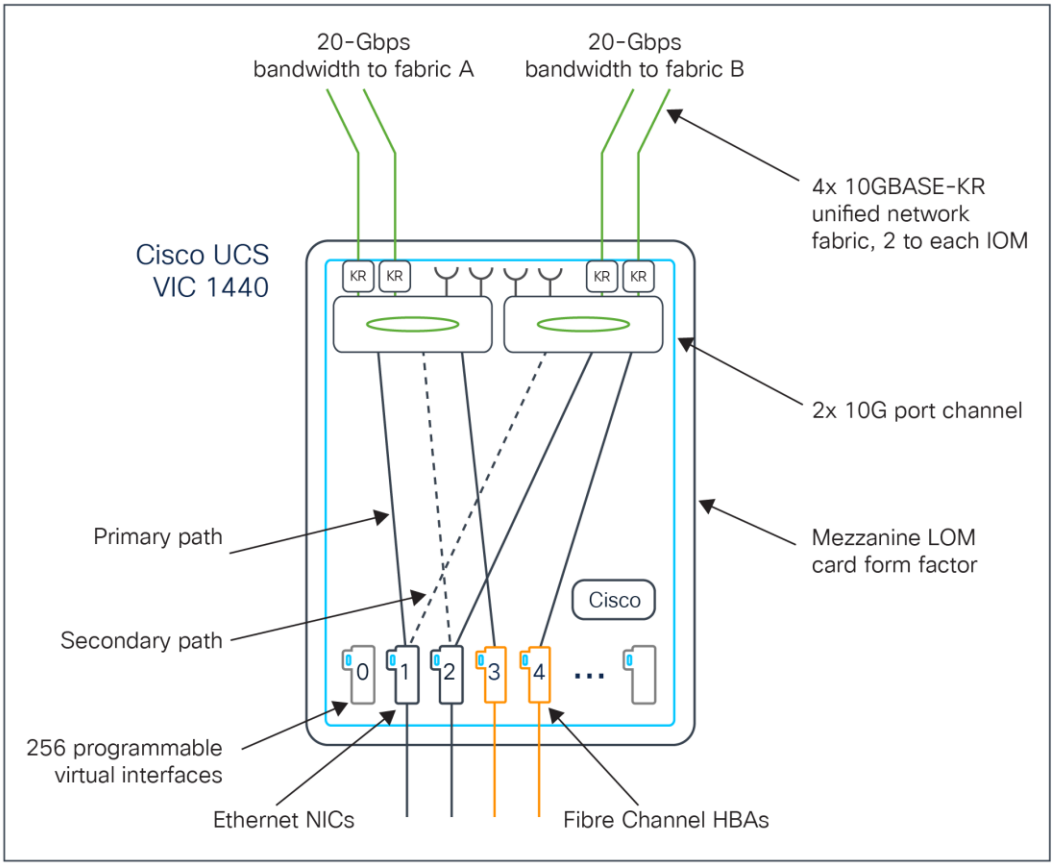


Figure 3.
Cisco UCS VIC 1440 Infrastructure

© 2026 Cisco and/or its affiliates. All rights reserved.

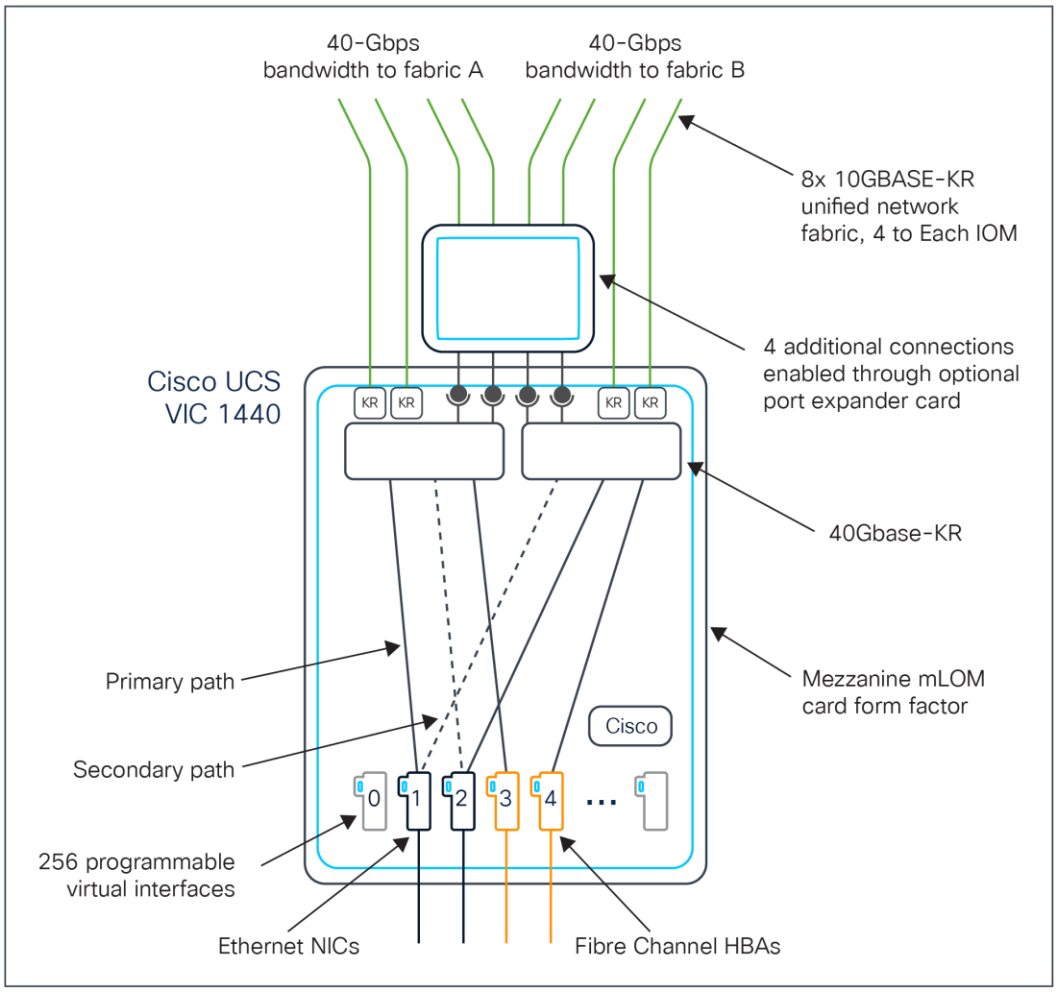


Figure 4.
Cisco UCS VIC 1440 with Port Expander

Cisco VIC 1480

The Cisco UCS VIC 1480 (Figure 6) is a single-port 40-Gbps or 4x10-Gbps Ethernet/FCoE capable mezzanine card (mezz) designed exclusively for Cisco UCS B-Series M5 and M6 Blade Servers. The card enables a policy-based, stateless, agile server infrastructure that can present PCIe standards-compliant interfaces to the host that can be dynamically configured as either NICs or HBAs.

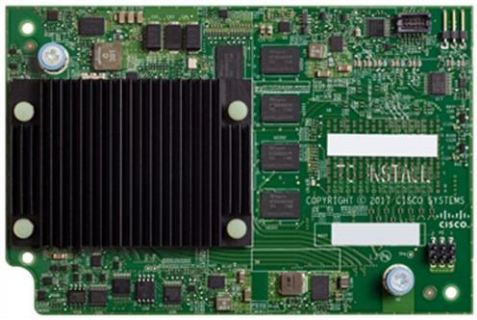


Figure 5.
Cisco UCS VIC 1480

© 2026 Cisco and/or its affiliates. All rights reserved.

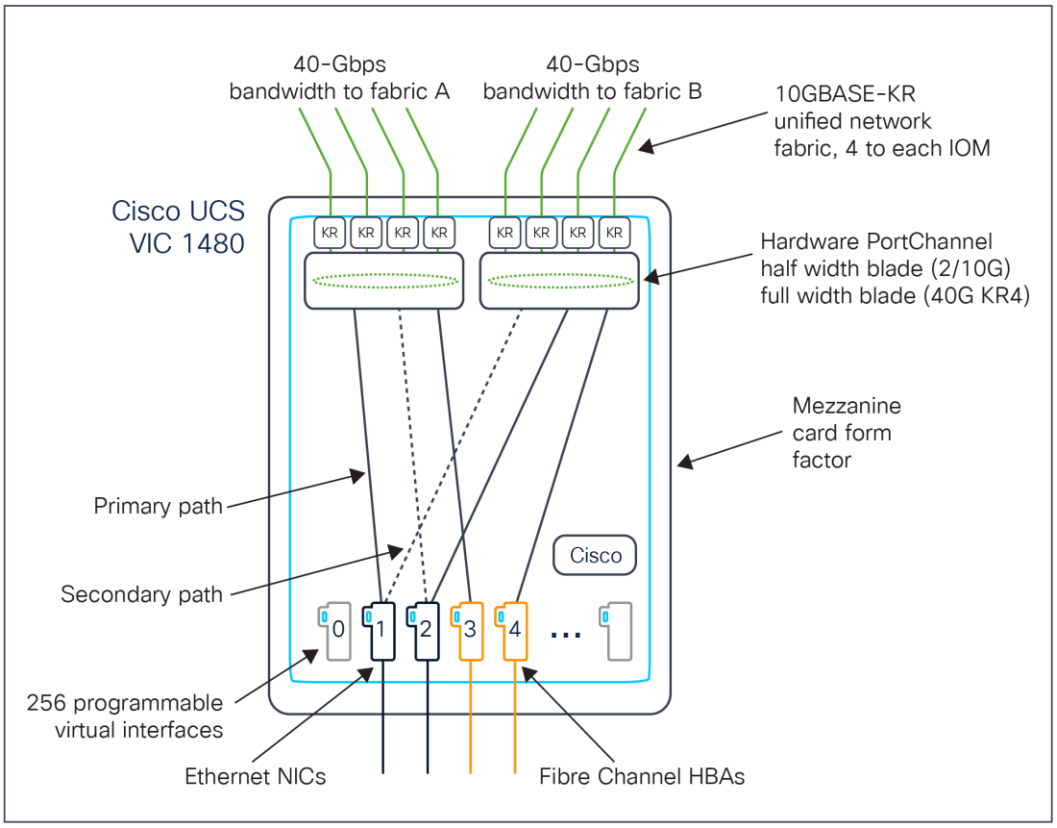


Figure 6.
Cisco UCS VIC 1480 Infrastructure

Cisco VIC 14425

The Cisco UCS VIC 14425 (Figure 8) is a 4x25-Gbps Ethernet/FCoE capable modular LAN On Motherboard (mLOM) designed exclusively for Cisco UCS X210c M6 Compute Node. The Cisco UCS VIC 14425 enables a policy-based, stateless, agile server infrastructure that can present to the host PCIe standards-compliant interfaces that can be dynamically configured as either NICs or HBAs.

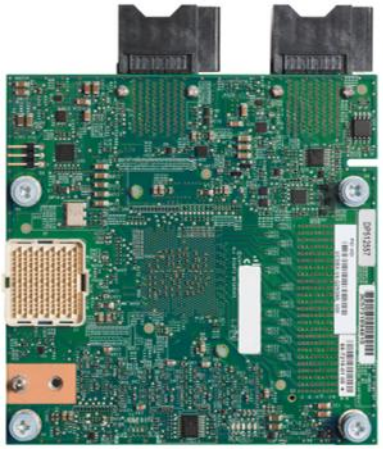


Figure 7.
Cisco UCS VIC 14425

© 2026 Cisco and/or its affiliates. All rights reserved.

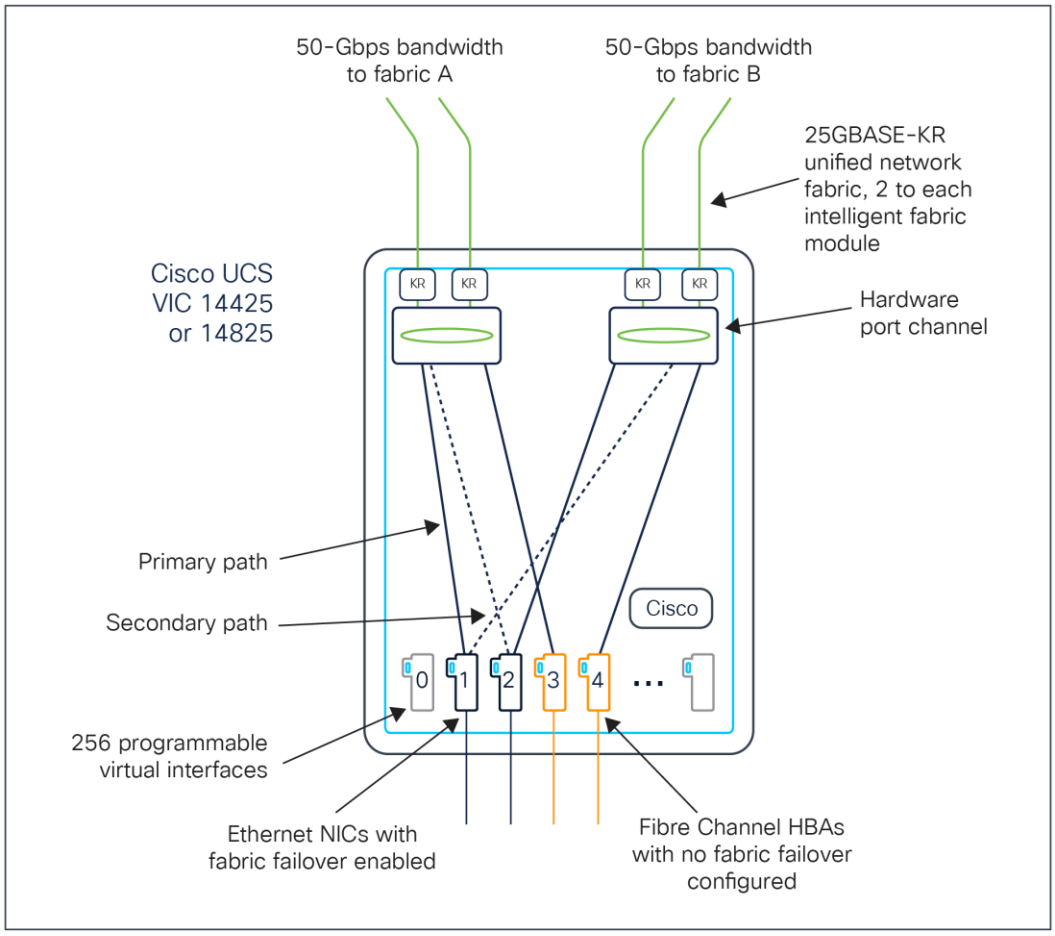


Figure 8.
Cisco UCS VIC 14425 Infrastructure

Cisco VIC 14825

The Cisco UCS VIC 14825 (Figure 11) is a 4x25-Gbps Ethernet/FCoE capable mezzanine card (mezz) designed exclusively for Cisco UCS X210c M6 Compute Node. Cisco UCS X The card enables a policy-based, stateless, agile server infrastructure that can present PCIe standards-compliant interfaces to the host that can be dynamically configured as either NICs or HBAs. The UCS VIC 14000 bridge connector (Figure 10) is required with the mezz card to connect the UCS X-Series Blade Server to Intelligent Fabric Module UCSX-I-9108-25G.

© 2026 Cisco and/or its affiliates. All rights reserved.

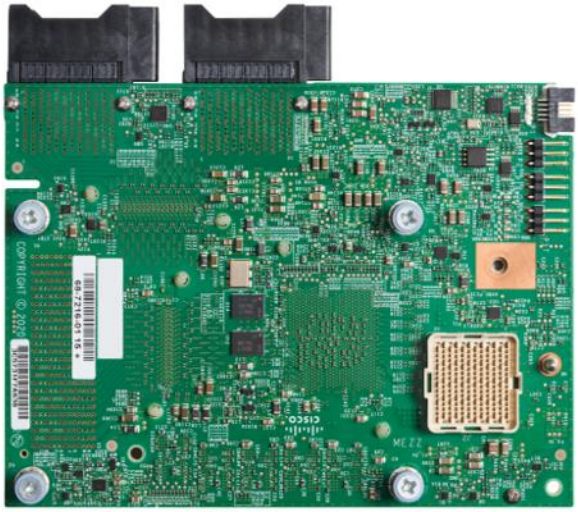


Figure 9.
Cisco UCS VIC 14825

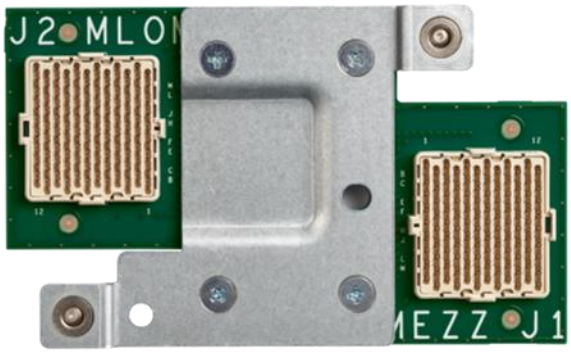


Figure 10.
Cisco UCS VIC 14000 bridge connect

© 2026 Cisco and/or its affiliates. All rights reserved.

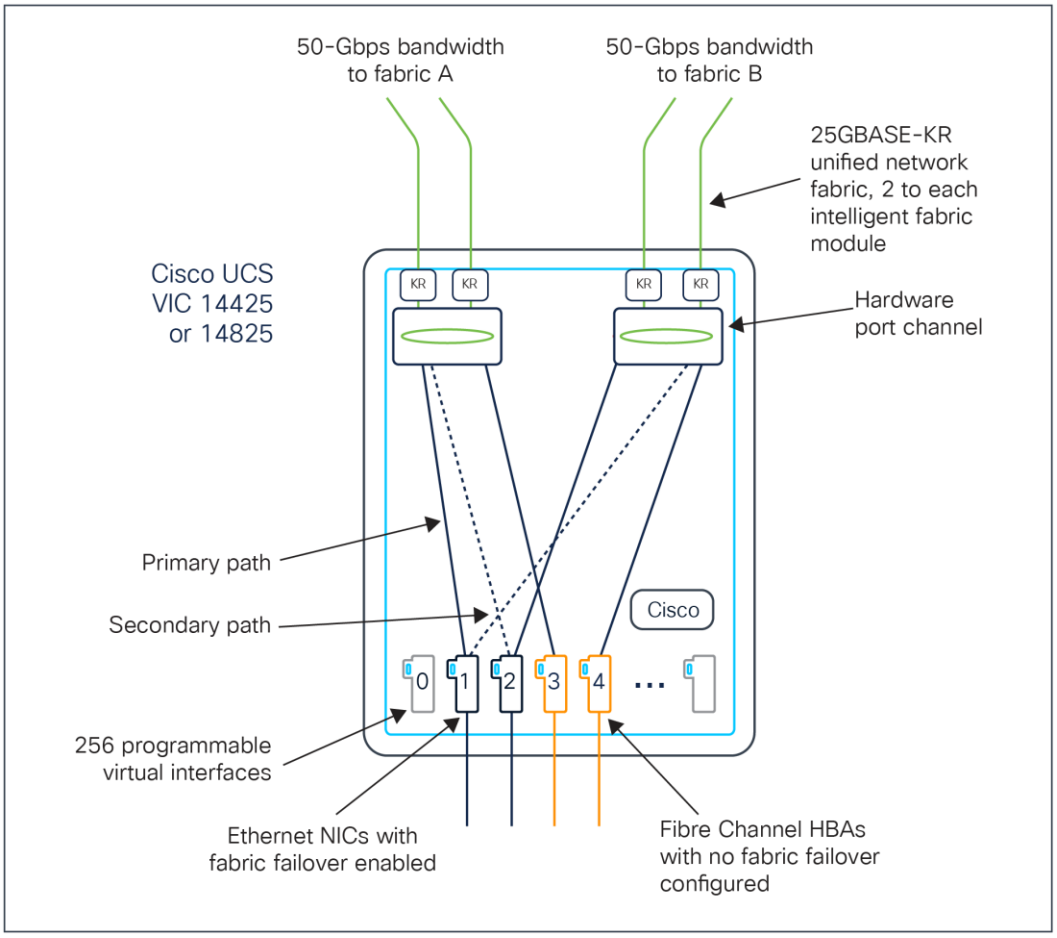


Figure 11.
Cisco UCS VIC 14825 Infrastructure

Cisco VIC 1455

The Cisco UCS VIC 1455 (Figure 13) is a quad-port Small Form-Factor Pluggable (SFP28) half-height PCIe card designed for Cisco UCS C-Series M5 and M6 Rack Servers. The card supports 10/25-Gbps Ethernet or FCoE. The card can present PCIe standards-compliant interfaces to the host, and these can be dynamically configured as either NICs or HBAs.

© 2026 Cisco and/or its affiliates. All rights reserved.



Figure 12.
Cisco UCS VIC 1455

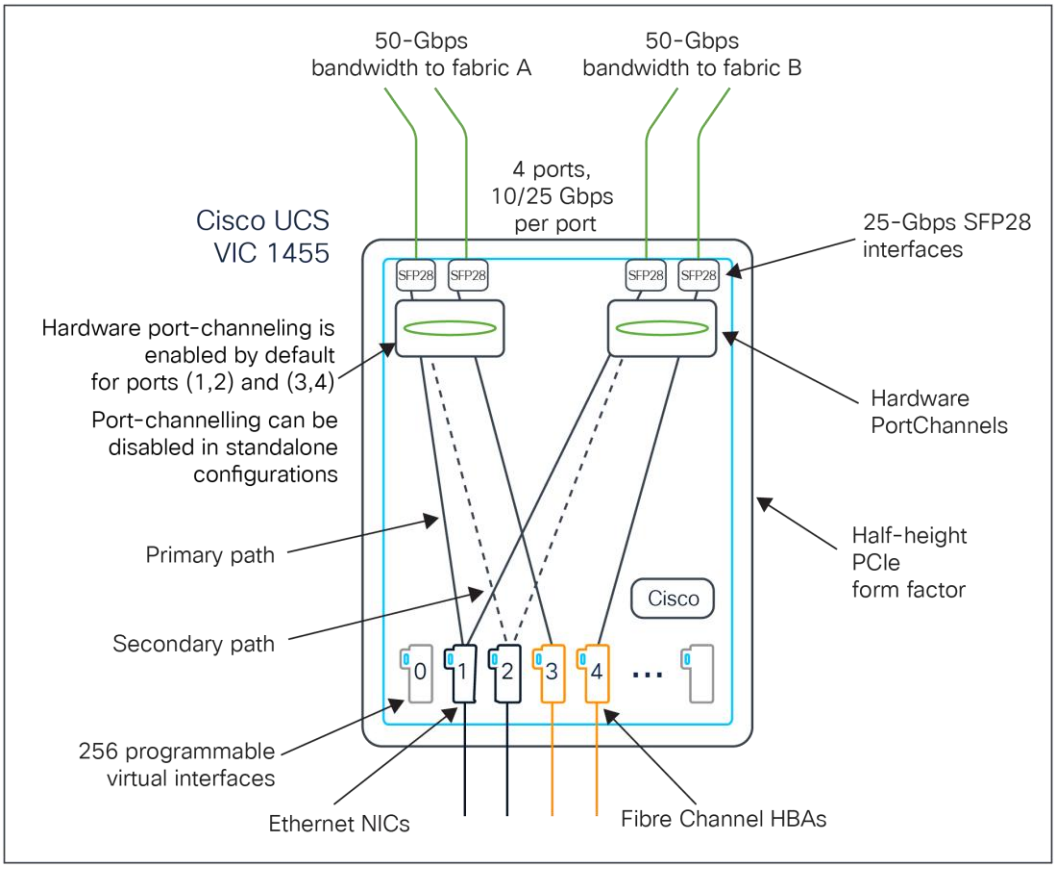


Figure 13.
Cisco UCS VIC 1455 Infrastructure

© 2026 Cisco and/or its affiliates. All rights reserved.

Cisco VIC 1457

The Cisco UCS VIC 1457 (Figure 15) is a quad-port Small Form-Factor Pluggable (SFP28) mLOM card designed for Cisco UCS C-Series M5 Rack Servers. The card supports 10/25-Gbps Ethernet or FCoE. The card can present PCIe standards-compliant interfaces to the host, and these can be dynamically configured as either NICs or HBAs.

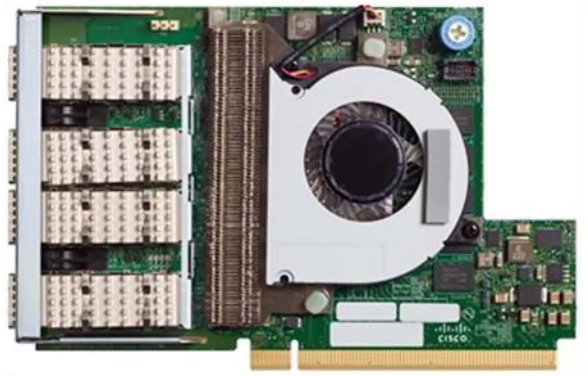


Figure 14.
Cisco UCS VIC 1457

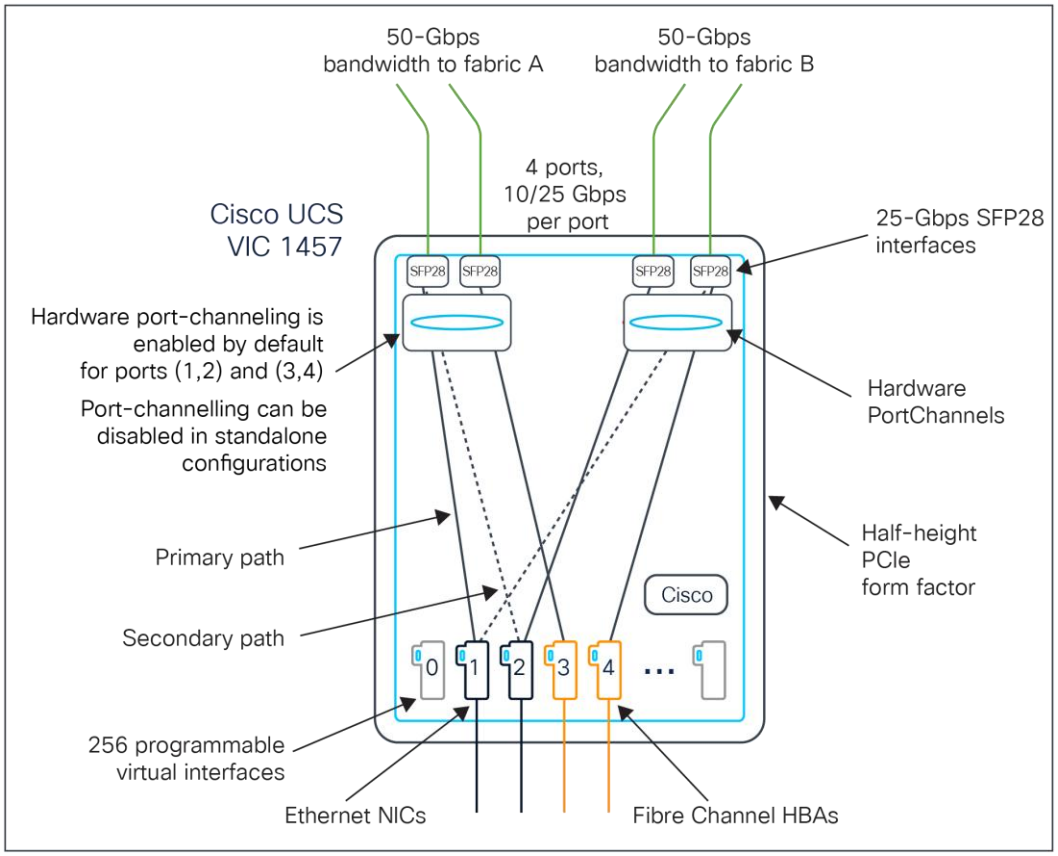


Figure 15.
Cisco UCS VIC 1457 Infrastructure

© 2026 Cisco and/or its affiliates. All rights reserved.

Cisco VIC 1467

The Cisco UCS VIC 1467 (Figure 17) is a quad-port Small Form-Factor Pluggable (SFP28) mLOM card designed for Cisco UCS C-Series M6 Rack Servers. The card supports 10/25-Gbps Ethernet or FCoE. The card can present PCIe standards-compliant interfaces to the host, and these can be dynamically configured as either NICs or HBA.



Figure 16.
Cisco UCS VIC 1467

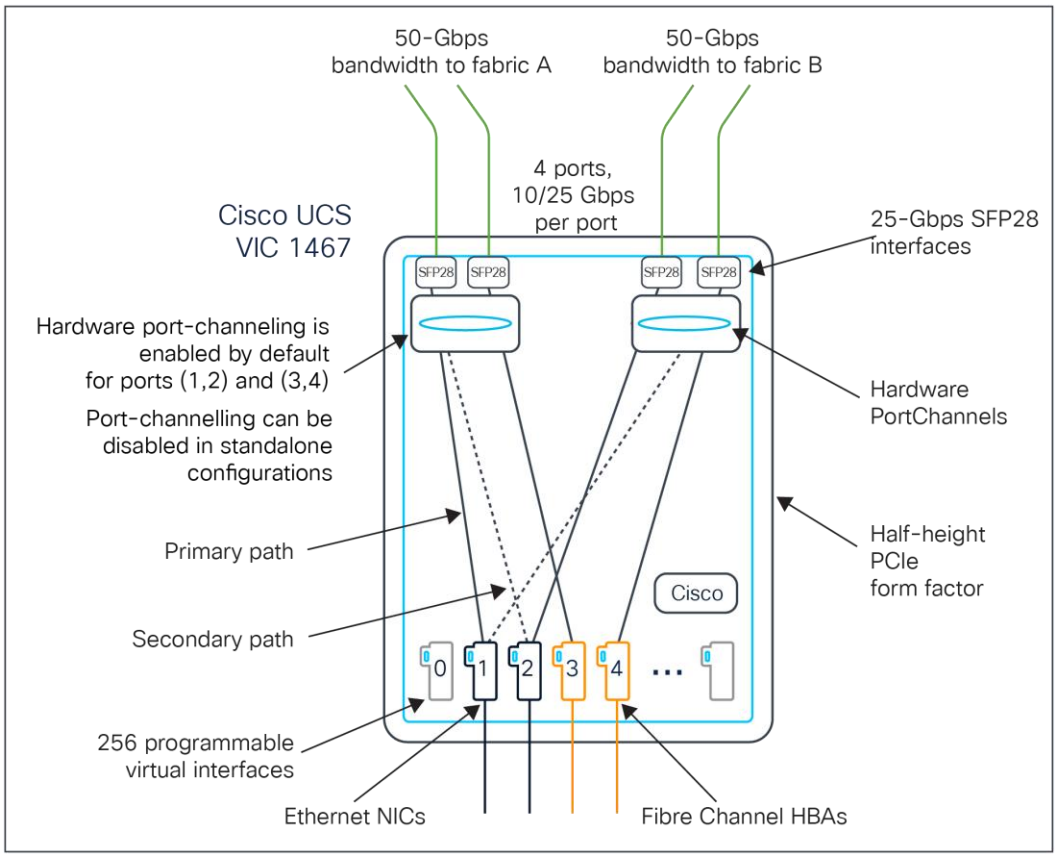


Figure 17.
Cisco UCS VIC 1467 Infrastructure

© 2026 Cisco and/or its affiliates. All rights reserved.

Cisco VIC 1495

The Cisco VIC 1495 (Figure 19) is a dual-port Quad Small Form-Factor (QSFP28) PCIe card designed for Cisco UCS C-Series M5 and M6 Rack Servers. The card supports 40/100-Gbps Ethernet or FCoE. The card can present PCIe standards-compliant interfaces to the host, and these can be dynamically configured as NICs or HBAs.

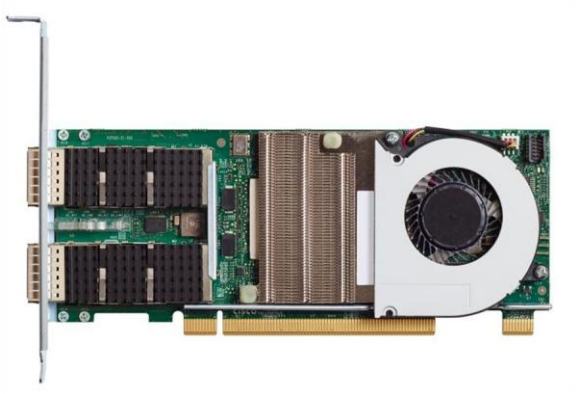


Figure 18.
Cisco UCS VIC 1495

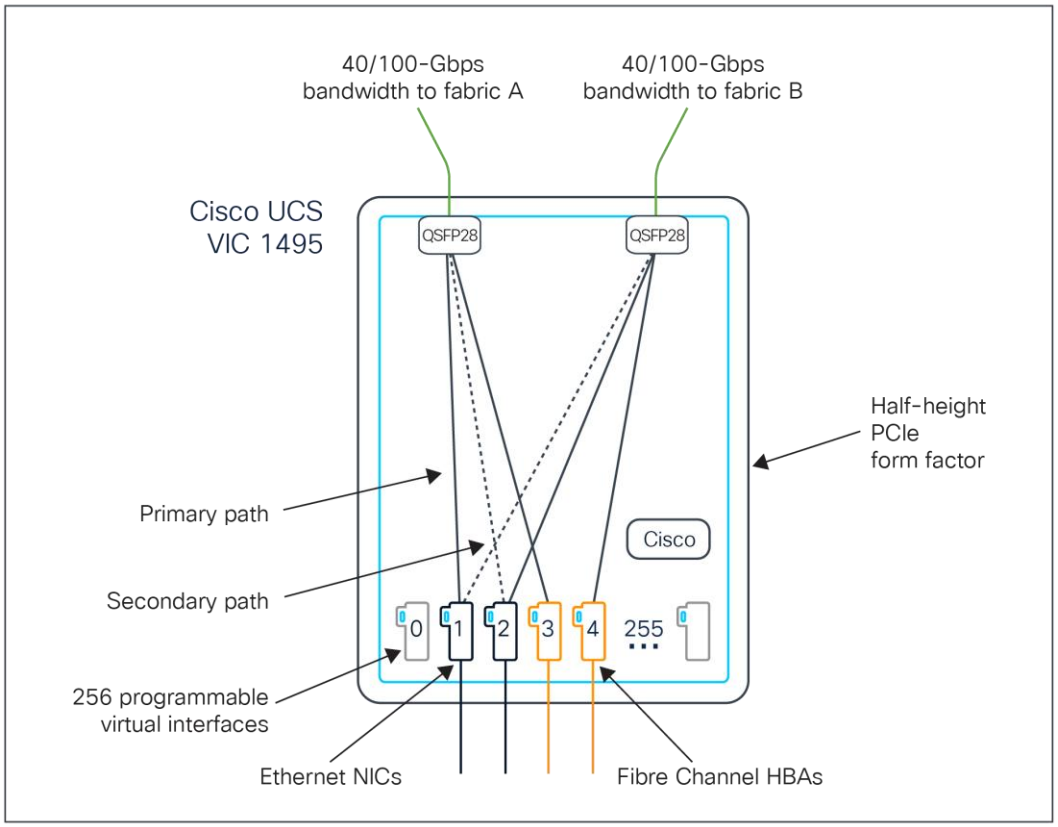


Figure 19.
Cisco UCS VIC 1495 Infrastructure

© 2026 Cisco and/or its affiliates. All rights reserved.

Cisco VIC 1497

The Cisco VIC 1497 (Figure 21) is a dual-port Quad Small Form-Factor (QSFP28) mLOM card designed for Cisco UCS C-Series M5 Rack Servers. The card supports 40/100-Gbps Ethernet or FCoE. The card can present PCIe standards-compliant interfaces to the host, and these can be dynamically configured as NICs or HBAs.



Figure 20.
Cisco UCS VIC 1497

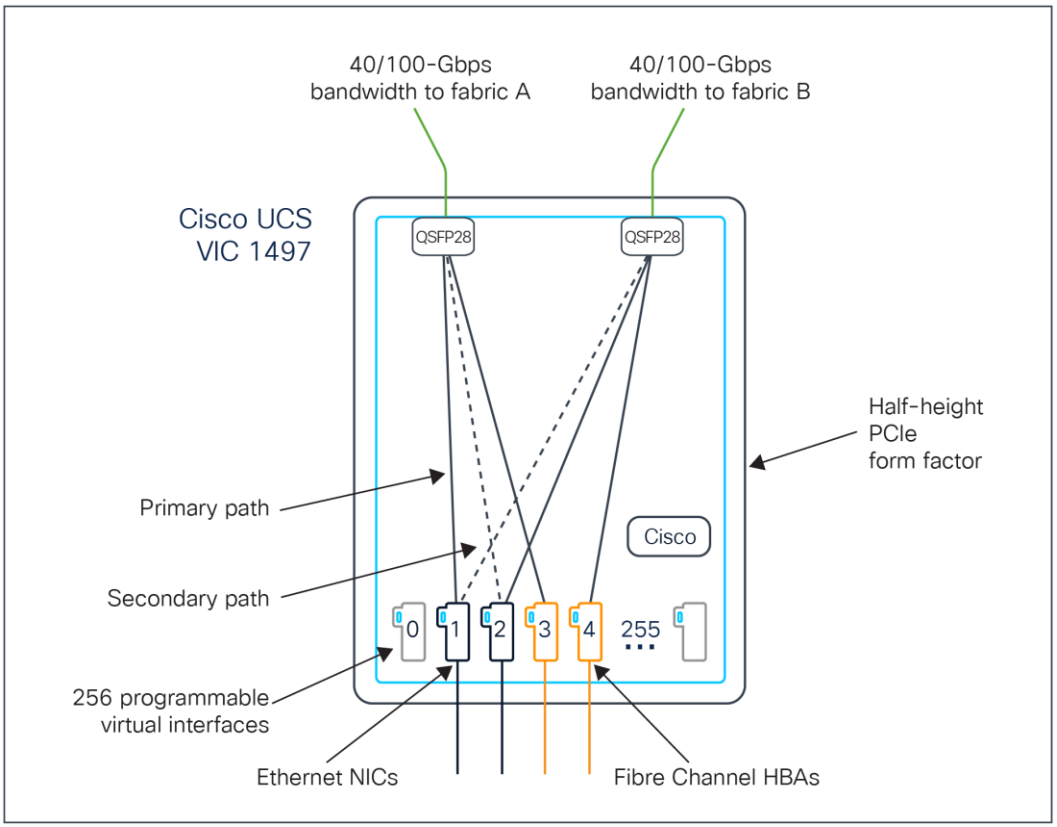


Figure 21.
Cisco UCS VIC 1497 Infrastructure

© 2026 Cisco and/or its affiliates. All rights reserved.

Cisco VIC 1477

The Cisco VIC 1477 (Figure 23) is a dual-port Quad Small Form-Factor (QSFP28) mLOM card designed for Cisco UCS C-Series M6 Rack Servers. The card supports 40/100-Gbps Ethernet or FCoE. The card can present PCIe standards-compliant interfaces to the host, and these can be dynamically configured as NICs or HBAs.



Figure 22.
Cisco UCS VIC 1477

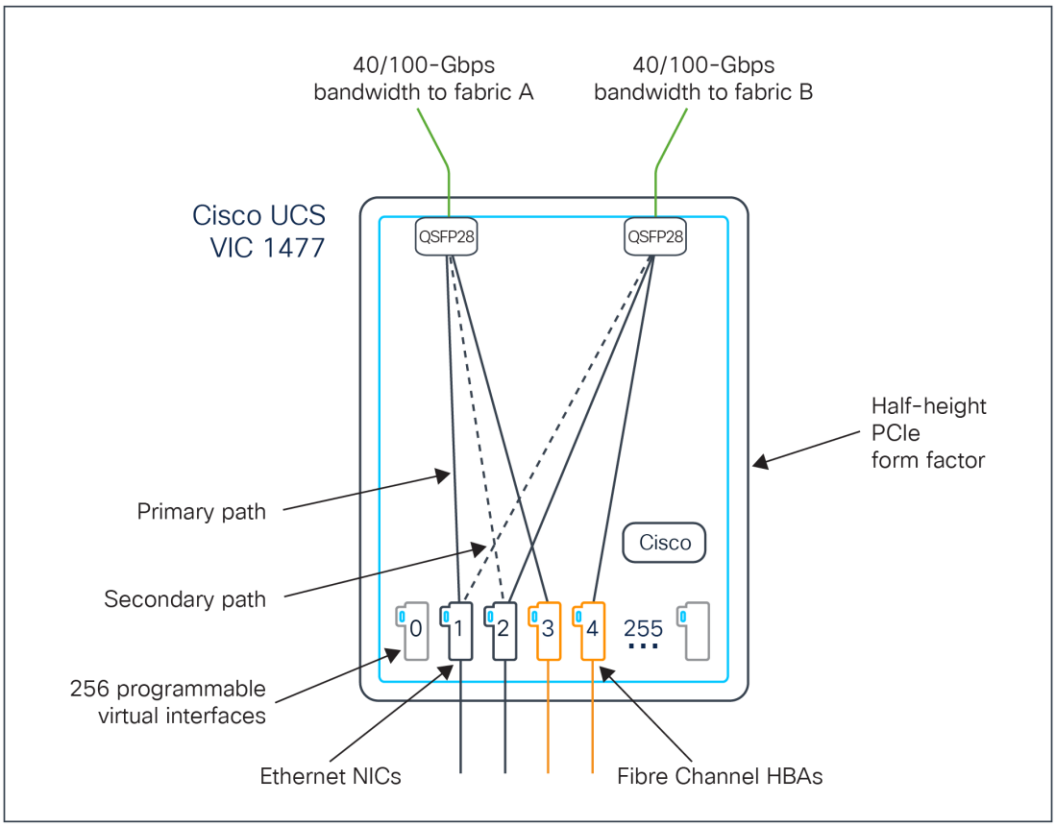


Figure 23.
Cisco UCS VIC 1477 Infrastructure

© 2026 Cisco and/or its affiliates. All rights reserved.

Features and benefits

The Cisco UCS VIC 1400/14000 Series provides the following features and benefits:

- Stateless and agile platform: The personality of the card is determined dynamically at boot time using the service profile associated with the server. The number, type (NIC or HBA), identity (MAC address and World Wide Name [WWN]), failover policy, bandwidth, and Quality-of-Service (QoS) policies of the PCIe interfaces are all determined using the service profile. The capability to define, create, and use interfaces on demand provides a stateless and agile server infrastructure.
- Network interface virtualization: Each PCIe interface created on the VIC is associated with an interface on the Cisco UCS fabric interconnect, providing complete network separation for each virtual cable between a PCIe device on the VIC and the interface on the Fabric Interconnect.

Data center features

A hardware classification engine provides support for advanced data center requirements, including stateless network offloads for GENEVE, VXLAN and NVGRE. Additional features support low-latency kernel bypass for performance optimization via us NIC and DPDK, and server virtualization support using NetQueue and VMQ/VMMQ. The Cisco UCS VIC 1400/14000 Series provides high network performance and low latency for the most demanding applications:

- Big data and High-Performance Computing (HPC)
- Large-scale virtual machine deployments
- High-bandwidth storage targets and archives

When the Cisco UCS VIC 1400/14000 Series is connected to Cisco N9000 Series Switches, pools of virtual hosts scale with greater speed and agility. Cisco N9000 Series Switches provide native FCoE connectivity from the VIC to both Ethernet and Fibre Channel targets.

Table 1 summarizes the main features and benefits of the Cisco UCS VIC 1400/14000 Series.

Table 1. Features and benefits

Features	Benefits
PCIe x16 Gen3 interfaces	Delivers high performance (128 Gb/s) throughput
10/25/40/100-Gbps unified I/O	• Delivers 4x10/25-Gbps in a single VIC configuration with the Cisco UCS C-Series M5 and M6 Rack Server, and S-Series M5 Rack Server • Delivers 2x40/100-Gbps in a single VIC configuration with the Cisco C-Series M5 and M6 Rack Server • Helps reduce TCO by consolidating the overall number of NICs, HBAs, cables, and switches because LAN and SAN traffic run over the same adapter card and fabric

© 2026 Cisco and/or its affiliates. All rights reserved.

Features	Benefits
256 dynamic virtual adapters and interfaces	• Creates fully functional unique and independent PCIe adapters and interfaces (NICs and HBAs) without requiring single-root I/O virtualization (SR-IOV) support from OSes or hypervisors • Allows these virtual interfaces and adapters to be configured and operated independently, just like physical interfaces and adapters • Creates a highly flexible I/O environment needing only one card for all I/O configurations **Note:** Cisco UCS VIC 1400/14000 Series hardware is SR-IOV capable. Please refer to Cisco UCS Manager configuration limits for your specific OS and environment in the configuration guide.
Low-latency connectivity	Supports usNIC technology, delivering latency as low as 1 microsecond in back-to-back VIC connections; standard latency using the Cisco Nexus Series Switches in approximately 1-2 microseconds
Cisco SingleConnect technology	A single unified network: the same network brings LAN, SAN, and management connectivity to each server
Cisco Data Center VM-FEX technology	• Unifies virtual and physical networking in a single infrastructure • Provides virtual machine visibility from the physical network and a consistent network operating model for physical and virtual servers • Enables configurations and policies to follow the virtual machine during virtual machine migration
Centralized management	Enables the VIC card in B-/X-/C-/S-Series to be centrally managed and configured by Cisco UCS Manager or Intersight
Support for advanced features	• SR-IOV • usNIC • Small Computer System Interface over IP (iSCSI) and iSCSI boot • Ethernet NIC (eNIC) and Fibre Channel NIC (fNIC) • VM-FEX support for KVM with RHEL • Microsoft System Center Virtual Machine Manager (SCVMM) • DPDK • NetFlow • N-Port ID Virtualization (NPIV) • Receive Flow Steering • Extended Receive (RX) Ring • VMware NetQueue • Windows VMQ/VMMQ • Multi-RQ • Receive Side Scaling (IPv4/IPv6/UDP/TCP) • GENEVE support with VMware NSX-T, VXLAN and NVGRE • NVM3 over RDMA support with RHEL 7.7 • RoCEv2 support with Windows Server 2019 NDKPI Mode 1 and Mode 2 with IPv4 / IPv6 and Linux
Fibre Channel	• Supports FCoE Fibre Channel with 10e15 Bit Error Rate (BER) connected to Cisco N9000 Series Switches • Supports NVMe capabilities by adding NVMe over Fabrics (NVMeoF) with RoCEv2 addition to existing support for NVMe over Fabrics using Fibre Channel (FC-NVMe) • FC-NVMe with SLES SP12 SP3/SP4, SLES 15, SLES 15 SP1, RHEL 7.6, RHEL 7.8, RHEL 7.9, RHEL 8.2, and ESXi 7.0

© 2026 Cisco and/or its affiliates. All rights reserved.

Features	Benefits
Network architecture	Provides a redundant path to the Fabric Interconnect using hardware-based fabric failover
High performance I/O	Supports 900,000+ I/O Operations Per Second (IOPS)
Lossless Ethernet	Uses Priority Flow Control (PFC) to enable as part of the Cisco Unified Fabric
Broad OS and hypervisor support	Supports customer requirements for VMware vSphere, Microsoft Windows, Red Hat Enterprise Linux, Citrix XenServer, SUSE Linux Enterprise Server, and Ubuntu. Refer to the Hardware Compatible List (HCL) for detail list of supported operating systems

Product specifications

Table 2 lists the specifications for the Cisco UCS VIC 1400/14000 Series.

Table 2. Cisco UCS VIC 1400/14000 Series specifications

Items	Specifications
Standards	• 10-Gigabit Ethernet • 25-Gigabit Ethernet • 40-Gigabit Ethernet • 100-Gigabit Ethernet • IEEE 802.3x • IEEE 802.1q VLAN • IEEE 802.1p • IEEE 802.1Qaz • IEEE 802.1Qbb • Prestandard IEEE 802.1BR • Jumbo frames up to 9KB • SCSI-FCP • T11 FCoE
Components	Cisco UCS custom Application-Specific Integrated Circuit (ASIC)
VIC 1495/1497/1477 physical ports	2 x 40/100-Gbps Ethernet and FCoE QSFP28
VIC 1455/1457/1467 physical ports	4x10/25-Gbps Ethernet and FCoE SFP28
Connectivity	PCIe 3.0x16 form factor (PCIe, mLOM, and mezz)
Performance	10/25/40/100-Gbps per port
Management	Software release: Release 4.1(x) extends support for RoCEv2 Cisco VIC 1455/1457/1495/1497: Recommended UCSM Release is 4.0(4e) or later that contains VIC firmware 5.0(3d) or later and Recommended Standalone Release is 4.0(4h) or later that contains VIC firmware 5.0.3(d) or later. Review Note under Table 2 for minimum version required
Number of interfaces	256 virtual interfaces (approximately eight are reserved for internal use; other factors such as the OS and hypervisor may limit this number further)

© 2026 Cisco and/or its affiliates. All rights reserved.

Items	Specifications
Supported switches with VIC 1455/1457/1467	Cisco Fabric Interconnect and Cisco Nexus switches: • Cisco UCS-FI-6664 (support with minimum 6.0(1)) • Cisco UCS-FI-6652 (support with minimum 6.0(2)) • Cisco UCS-FI-6536 (support with minimum IMM Release 4.2(2)) • Cisco UCS-FI-64108 (support with minimum UCSM Release 4.1(1a)) • Cisco UCS-FI-6454 • Cisco UCS-FI-6332-16UP • Cisco UCS-FI-6332 • Cisco UCS-FI-6248 (not supported on VIC 1467) • Cisco UCS-FI-6296 (not supported on VIC 1467) • Cisco N93180YC-FX3 (support in FEX mode with minimum UCSM Release 4.2(1)) • Cisco N93180YC-FX3 (support in switch mode with minimum 6.0(2)) • Cisco N2232PP • Cisco N2348UPQ • Cisco N31108PC-V • Cisco N3172PQ • Cisco N3232C • Cisco N3548P-10GX • Cisco N36180YC-R • Cisco N5548UP • Cisco N5624Q • Cisco N5648Q • Cisco N5672UP-16G • Cisco N5696Q • Cisco N92160YC-X • Cisco N92300YC • Cisco N9236C • Cisco N9336C-FX2 • Cisco N9372PX • Cisco N93180LC-EX • Cisco N93180YC-EX • Cisco N93180YC-FX • Cisco N93240YC-FX2 • Cisco N93360YC-FX2 (support from Cisco IMC Release 4.2(2)) • Cisco N9316D-GX (support at 25G from Cisco IMC Release 4.2(2)) • Cisco N93108TC-FX (qualified with SFP-10G-T-X from Cisco IMC Release 4.2(1)) • Cisco N93108TC-EX (qualified with SFP-10G-T-X from Cisco IMC Release 4.2(1))

© 2026 Cisco and/or its affiliates. All rights reserved.

Items	Specifications
Supported switches with VIC 1495/1497/1477	• Cisco UCS-FI-6664 (support with minimum 6.0(1)) • Cisco UCS-FI-6536 (support with minimum IMM Release 4.2(2)) • Cisco UCS-FI-6332-16UP • Cisco UCS-FI-6332 • Cisco N3232C • Cisco N92300YC • Cisco N9236C • Cisco N93180LC-EX • Cisco N93240YC-FX2 • Cisco N9332C (support from Cisco IMC Release 4.2(2)) • Cisco N9336C-FX2 • Cisco N93360YC-FX2 (support from Cisco IMC Release 4.2(2)) • Cisco N9364C
Supported Fabric Interconnect and IOM with VIC 1440/1480	Cisco Fabric Interconnect switches and IOM: • Cisco UCS-FI-6652 (support with minimum 6.0(2)) • Cisco UCS-FI-6536 (support with minimum IMM Release 4.2(2)) • Cisco UCS-FI-64108 (support with minimum UCSM Release 4.1(1a)) • Cisco UCS FI-6454 • Cisco UCS-FI-6332-16UP • Cisco UCS-FI-6332 • Cisco UCS-FI-6324 (UCS Mini) • Cisco UCS-FI-6248 • Cisco UCS-FI-6296 • Cisco UCS-IOM-2408 • Cisco UCS-IOM-2304 • Cisco UCS-IOM-2208 • Cisco UCS-IOM-2204
Supported Fabric Interconnect and IOM with VIC 14425/14825	Cisco Fabric Interconnect switches and IOM: • Cisco UCS-FI-6664 (support with minimum 6.0(1)) • Cisco UCS-FI-6536 (support with minimum IMM Release 4.2(2)) • Cisco UCS-FI-64108 • Cisco UCS FI-6454 • Cisco UCSX-I-9108-25G • Cisco UCSX-I-9108-100G (supported with FI-6536)

VIC14425/14825: Minimum UCSM Release 4.2(1).

VIC1467/1477: Minimum UCSM Release 4.2(1) Standalone Cisco IMC Release 4.2(1).

VIC 1455/1457: Minimum UCSM Release Is 4.0(1a) with VIC firmware 5.0(1c) or later. Whereas the minimum Standalone Release is 4.0(1a) with VIC firmware 5.0(1c).

VIC 1495/1497: Minimum UCSM Release Is 4.0(2c) with VIC firmware 5.0(2b) or later. Whereas the minimum Standalone Release is 4.0(2) with VIC firmware 5.0(2b).

© 2026 Cisco and/or its affiliates. All rights reserved.

UCS Manager Release 4.1 supports NVMeoF with RDMA for RoCEv2 on all VIC 1400/14000 Series.

VIC 1440 + PE support with IOM 2408 (will support 40G aggregate flow and maximum 25G single flow per vNIC) with UCSM 4.1(2a).

Note that VIC 1457/1467/1455 supports 4x10G/4x25Gb breakout connectivity with upstream ToR switch with IMC.

In addition VIC 1457/1467/1455 supports 4x10G breakout with 6300 series FI, 4x10G/25G breakout with 6400 series FI and 4x25G breakout with 6536 FI.

Meanwhile, with VIC 1477/1495/1497 there is no reverse-breakout support of the 40/100G ports on these VICs to 4x10G/4x25G.

All the listed switches are validated against our transceivers and cables, any switch that is not listed is expected to work but not validated.

Table 3. Power and physical specification

Items	Specifications	
Power consumption	**Cisco UCS VIC**	**Power consumption (max)**
	1455	27.4W
	1457	27.4W
	1467	25.5W
	1440	21W
	1480	21W
	14425	24.8W
	14825	42.4W
	1495	28W
	1497	28W
	1477	27.9W

© 2026 Cisco and/or its affiliates. All rights reserved.

Items	Specifications			
Physical dimensions	**Cisco UCS VIC**	**Length**	**Width**	**Height**
	1455	6.60 in	2.5 in	0.53 in
	1457	5.75 in	3.7in	0.63 in
	1467	6.26 in	3.99 in	0.74 in
	1440	5.85 in	3.4 in	0.96 in
	1480	5.85 in	2.9 in	1.33 in
	14425	4.29 in	5.03 in	1.47 in
	14825	5.71 in	5.19 in	1.47 in
	1495	6.60 in	2.5 in	0.53 in
	1497	5.75 in	3.7 in	0.63 in
	1477	6.29 in	3.99 in	0.74 in

Table 4. Cisco UCS VICs, Fabric Interconnect, IOM, and Server Support

Cisco UCS VIC	Cisco UCS Servers
1440 10/40-Gbps mLOM	B200 M5/M6, B480 M5
1480 10/40-Gbps mezz	B200 M5/M6, B480 M5
14425 quad-port 25G mLOM	X210c M6
14825 quad-port 25G mezz	X210c M6
1455 quad-port 10/25-Gbps PCIe	C125 M5, C220 M5/M6, C225 M6, C240 M5/M6, C240 SD M5, C245 M6, C480 M5, C480 ML M5, C4200, S3260 M5
1457 quad-port 10/25-Gbps mLOM	C220 M5, C240 M5, C240 SD M5
1467 quad-port 10/25-Gbps mLOM	C220 M6, C240 M6, C225 M6, C245 M6
1495 dual-port 40/100-Gbps PCIe	C125 M5, C220 M5/M6, C225 M6, C240 M5/M6, C240 SD M5, C245 M6, C480 M5, C480 ML M5, C4200, S3260 M5
1497 dual-port 40/100-Gbps mLOM	C220 M5, C240 M5, C240 SD M5
1477 dual-port 40/100-Gbps mLOM	C220 M6, C240 M6, C225 M6, C245 M6

© 2026 Cisco and/or its affiliates. All rights reserved.

Transceiver and cable support

The Cisco UCS VIC supports a wide variety of Ethernet connectivity options using Cisco 10/25/40/100-Gbps transceivers and 10/25/40/100-Gbps passive cables and active optical cables.

Third-party cables and transceivers are not supported by the Cisco UCS C-Series VICs and the link would not come up if they are used to connect VIC to a Fabric Interconnect or to a top of rack switch such as N9000 Series. Only the supported transceivers and cables listed below should be used.

Table 5 lists the supported transceiver options.

Table 5. Cisco UCS VIC transceiver matrix

Product number	Description
SFP+ 10-Gbps transceivers[16]	
SFP-10G-T-X[14]	10GBASE-T, Copper, 30m
SFP-10G-SR	10GBASE-SR, 850 nm, MMF, 300m
SFP-10G-SR-S	10GBASE-SR, 850 nm, MMF, 300m, S-Class
SFP-10G-LR	10GBASE-LR, 1310 nm, SMF, 10 km
SFP-10G-LR-S	10GBASE-LR, 1310 nm, SMF, 10 km, S-Class
MA-SFP-10GB-SR[13]	10GBASE-SR, 850 nm, MMF, 300m
MA-SFP-10GB-LR[13]	10GBASE-LR, 1310 nm, SMF, 10km
SFP28 25-Gbps transceivers	
SFP-25G-SR-S[15]	25GBASE-SR SFP28 Module for MMF
SFP-25G-SL[15]	25GBASE-SL SFP28 module for MMF
SFP-10/25G-CSR-S[1][15]	10/25GBASE-CSR SFP28 Module for MMF
SFP-10/25G-LR-S[8][15]	10/25GBASE-LR SFP28 Module of SMF
QSFP 40-Gbps transceivers	
QSFP-40G-SR4[18]	40GBASE-SR, 850 nm, MMF, 300 m
QSFP-40G-SR4-S[18]	40GBASE-SR, 850 nm, MMF, 300 m, S-Class
QSFP-40G-CSR4[18]	40GBASE-CSR4, 4 lanes, 850 nm MMF
QSFP-40G-LR4[18]	40GBASE-LR, 1310 nm, SMF, 10 km
QSFP-40G-LR4-S[18]	40GBASE-LR, 1310 nm, SMF, 10 km, S-Class
QSFP-40G-SR-BD	40GBASE-SR-BiDi, duplex MMF, 150 m
WSP-Q40GLR4L[2]	40GBASE-LR4-Lite, 1310 nm, SMF, 2 km

© 2026 Cisco and/or its affiliates. All rights reserved.

Product number	Description
QSFP28 100-Gbps transceivers	
QSFP-100G-SR4-S	100GBASE-SR, 850 nm, MMF, 300 m, MPO, S-Class
QSFP-40/100-SRBD[3]	100G and 40GBASE SR-BiDi QSFP, MMF, LC, 100 m
QSFP-100G-SR1.2[19]	100G SR-BiDi QSFP Transceiver, LC, 100m OM4 MMF, LC
QSFP-100G-LR4-S	100GBASE-LR, 1310 nm, SMF, 10 km, LC, S-Class
QSFP-100G-SL4	100GBASE QSFP Short Link Transceivers, 30M reach over OM4 MMF, MPO
QSFP-100G-DR-S[20]	100GBASE DR QSFP Transceiver, 500m over SMF, LC
QSFP-100G-FR-S[20]	100GBASE FR QSFP Transceiver, 2km over SMF, LC
QSFP-100G-SM-SR[21]	100GBASE CWDM4 Lite QSFP Transceiver, 2km over SMF, 10-60C, LC
QSFP-100G-CWDM4-S[22]	100GBASE CWDM4 QSFP Transceiver, LC, 2km over SMF, LC
QSFP-100G-PSM4-S[23]	Cisco 100G PSM4 QSFP Transceiver, MPO-12, 500m over SMF

Note:

[1] SFP-10/25G-CSR-S is supported only at 25G. This transceiver has been qualified to work with N9K switches listed in table 2. In table 2, with minimum IMC Version 4.0.4(e) and is also supported at 25G only with VIC 1455/1457/1467 with both UCS FI-6454/FI-64108 at minimum UCSM Release 4.1(2a). Additionally interoperability between SFP-25G-SR-S and SFP-10/25G-CSR-S (at 25G) is supported on VIC1455/1457/1467.

[2] FI 6300 series doesn't support WSP-Q40GLR4L.

[3] QSFP-40/100-SRBD supported at 100G only.

[8] SFP-10/25G-LR-S is supported at 25G only. This transceiver has been qualified with N9K switches listed in table 2 with minimum CIMC Release 4.1(1c), and is also supported at 25G only with VIC 1455/1457/1467 with both UCS FI-6454/FI-64108 at minimum UCSM Release 4.1(2a).

[14] SFP-10G-T-X transceiver is supported with VIC 1455/1457/1467 on ports 2 and 4 when in standby-power. When the server is fully powered-on, SFP-10G-T-X transceiver is enabled for all 4 ports. If user intents to mix cable types on a 1455/1457/1467 VIC card along with SFP-10G-T-X, ports 1 and 3 can support only passive copper cables (10/25G-CUx).

[15] FI 6536 with QSA28 (CVR-QSFP28-SFP28) on server-port supports connectivity with VIC1455/1457/1467.using the following SFP28 transceiver. This connectivity is supported with UCS-FI-6536 from IMM Release 4.2(2). Note that there is no QSA28 support with VIC 1477/1495/1497.

[16] 10G connectivity from VIC 1455/1457/1467 are supported with UCS fabric interconnect 6200/6300/6400 series, Nexus FEX 2232PP/2348UPQ and standalone switches. UCS-FI-6536 does not support 10-Gbps connectivity to UCS VIC1455/1457/1467. N93180YC-FX3 in FEX mode supports 10G from UCSM version 4.3(4).

© 2026 Cisco and/or its affiliates. All rights reserved.

[18] QSFP-40G-SR4/SR4-S/CSR4/LR4/LR4-S are the only qualified 40G transceivers for FI 6536 and VIC 1477/1495/1497. No other cables and transceivers are qualified at 40G with 6536 FI for IMM Release 4.2(2).

[19] Supported in standalone mode with 4.3(1).

[20] Supported in standalone mode and with 6536 FI from 4.2(3).

[21] Supported in standalone mode and with 6536 FI from 4.3(1).

[22] Supported in standalone mode with 4.3.4.240152.

[23] Supported with Cisco VID V02 with UCSM version 4.3(4) and CIMC version 4.3.4.240152

Qualified transceiver optical breakout using 3rd party MPO-4xLC fiber breakout cable

- SFP-10G-SR to QSFP-40G-SR4 in 4x10G breakout mode with fabric-interconnect and standalone switches.
- SFP-10G-SR to QSFP-40G-CSR4 in 4x10G breakout mode with fabric-interconnect and standalone switches.
- SFP-10G-LR-S to QSFP-4x10G-LR-S in 4x10G breakout mode with standalone switches.
- SFP-25G-SR-S to QSFP-100G-SR4-S in 4x25G mode breakout mode with fabric-interconnect and standalone switches.
- SFP-10/25G-CSR-S to QSFP-100G-SR4-S in 4x25G mode breakout mode with fabric-interconnect and standalone switches.
- SFP-10/25G-LR-S to QSFP-100G-PSM4-S in 4x25G mode breakout mode with standalone switches.
- SFP-25G-SL to QSFP-100G-SL4 in 4x25G mode breakout mode with fabric-interconnect and standalone switches.

Table 6. Cisco UCS VIC cable support matrix

Product number	Description
SFP+ 10-Gbps cables with integrated transceivers[16]	
SFP-H10GB-CU1M	10GBASE-CU SFP+ direct-attached copper cable, 1M
SFP-H10GB-CU1-5M[4]	10GBASE-CU SFP+ direct-attached copper cable, 1.5M
SFP-H10GB-CU2M	10GBASE-CU SFP+ direct-attached copper cable, 2M
SFP-H10GB-CU2-5M[4]	10GBASE-CU SFP+ direct-attached copper cable, 2.5M
SFP-H10GB-CU3M	10GBASE-CU SFP+ direct-attached copper cable, 3M
SFP-H10GB-CU5M	10GBASE-CU SFP+ direct-attached copper cable, 5M
MA-CBL-TA-1M[13]	10GBASE-CU SFP+ direct-attached copper cable, 1M
MA-CBL-TA-3M[13]	10GBASE-CU SFP+ direct-attached copper cable, 3M
SFP-H10GB-ACU7M	10GBASE-CU SFP+ direct-attached active copper cable, 7M

© 2026 Cisco and/or its affiliates. All rights reserved.

Product number	Description
SFP-H10GB-ACU10M	10GBASE-CU SFP+ direct-attached active copper cable, 10M
SFP-10G-AOC1M	10GBASE active optical SFP+ cable, 1M
SFP-10G-AOC2M	10GBASE active optical SFP+ cable, 2M
SFP-10G-AOC3M	10GBASE active optical SFP+ cable, 3M
SFP-10G-AOC5M	10GBASE active optical SFP+ cable, 5M
SFP-10G-AOC7M	10GBASE active optical SFP+ cable, 7M
SFP-10G-AOC10M	10GBASE active optical SFP+ cable, 10M
SFP28 25-Gbps cables with integrated transceivers	
SFP-H25G-CU1M	25GBASE-CU SFP28 direct-attached copper cable, 1M
SFP-H25G-CU2M	25GBASE-CU SFP28 direct-attached copper cable, 2M
SFP-H25G-CU3M	25GBASE-CU SFP28 direct-attached copper cable, 3M
SFP-H25G-CU4M[(6)]	25GBASE-CU SFP28 direct-attached copper cable, 4M
SFP-H25G-CU5M[(7)(11)(12)]	25GBASE-CU SFP28 direct-attached copper cable, 5M
SFP-25G-AOC1M	25GBASE-AOC SFP28 active optical cable, 1M
SFP-25G-AOC2M	25GBASE-AOC SFP28 active optical cable, 2M
SFP-25G-AOC3M	25GBASE-AOC SFP28 active optical cable, 3M
SFP-25G-AOC4M[(9)]	25GBASE-AOC SFP28 active optical cable, 4M
SFP-25G-AOC5M	25GBASE-AOC SFP28 active optical cable, 5M
SFP-25G-AOC7M	25GBASE-AOC SFP28 active optical cable, 7M
SFP-25G-AOC10M	25GBASE-AOC SFP28 active optical cable, 10M
QSFP 40-Gbps cables	
QSFP-H40G-CU1M	40GBASE-CR4 Passive Copper Cable, 1m
QSFP-H40G-CU3M	40GBASE-CR4 Passive Copper Cable, 3m
QSFP-H40G-CU5M	40GBASE-CR4 Passive Copper Cable, 5m
QSFP-H40G-ACU7M	40GBASE-CR4 Active Copper Cable, 7m
QSFP-H40G-ACU10M	40GBASE-CR4 Active Copper Cable, 10m
QSFP-H40G-AOC1M	40GBASE Active Optical Cable, 1m

© 2026 Cisco and/or its affiliates. All rights reserved.

Product number	Description
QSFP-H40G-AOC2M	40GBASE Active Optical Cable, 2m
QSFP-H40G-AOC3M	40GBASE Active Optical Cable, 3m
QSFP-H40G-AOC5M	40GBASE Active Optical Cable, 5m
QSFP-H40G-AOC7M	40GBASE Active Optical Cable, 7m
QSFP-H40G-AOC10M	40GBASE Active Optical Cable, 10m
QSFP-H40G-AOC15M	40GBASE Active Optical Cable, 15m
QSFP-H40G-AOC20M[4]	40GBASE Active Optical Cable, 20m
QSFP-H40G-AOC25M[4]	40GBASE Active Optical Cable, 25m
QSFP-H40G-AOC30M[4]	40GBASE Active Optical Cable, 30m
QSFP-4x10G-AC7M[5][10]	40GBASE-CR4 QSFP+ to 4x10GBASE-CU SFP+ active direct-attach breakout cable, 7M
QSFP-4x10G-AC10M[5][10]	40GBASE-CR4 QSFP+ to 4x10GBASE-CU SFP+ active direct-attach breakout cable, 10M
QSFP-4SFP10G-CU1M[5][10]	40GBASE-CR4 QSFP+ to 4x10GBASE-CU SFP+ passive direct-attach cable, 1M
QSFP-4SFP10G-CU3M[5][10]	40GBASE-CR4 QSFP+ to 4x10GBASE-CU SFP+ passive direct-attach cable, 3M
QSFP-4SFP10G-CU5M[5][10]	40GBASE-CR4 QSFP+ to 4x10GBASE-CU SFP+ passive direct-attach cable, 5M
QSFP-4X10G-AOC1M[5][10]	40GBASE-active optical QSFP to 4xSFP+ active optical breakout cable, 1M
QSFP-4X10G-AOC2M[5]	40GBASE-active optical QSFP to 4xSFP+ active optical breakout cable, 2M
QSFP-4X10G-AOC3M[5][10]	40GBASE-active optical QSFP to 4xSFP+ active optical breakout cable, 3M
QSFP-4X10G-AOC5M[5][10]	40GBASE-active optical QSFP to 4xSFP+ active optical breakout cable, 5M
QSFP-4X10G-AOC7M[5][10]	40GBASE-active optical QSFP to 4xSFP+ active optical breakout cable, 7M
QSFP-4X10G-AOC10M[5][10]	40GBASE-active optical QSFP to 4xSFP+ active optical breakout cable, 10M
QSFP 100-Gbps cables	
QSFP-100G-CU1M[17]	100GBASE-CR4 passive copper cable, 1M
QSFP-100G-CU2M[17]	100GBASE-CR4 passive copper cable, 2M
QSFP-100G-CU3M[17]	100GBASE-CR4 passive copper cable, 3M
QSFP-100G-CU5M[17]	100GBASE-CR4 passive copper cable, 5M
QSFP-100G-AOC1M	100GBASE QSFP Active Optical Cable, 1m
QSFP-100G-AOC2M	100GBASE QSFP Active Optical Cable, 2m

© 2026 Cisco and/or its affiliates. All rights reserved.

Product number	Description
QSFP-100G-AOC3M	100GBASE QSFP Active Optical Cable, 3m
QSFP-100G-AOC5M	100GBASE QSFP Active Optical Cable, 5m
QSFP-100G-AOC7M	100GBASE QSFP Active Optical Cable, 7m
QSFP-100G-AOC10M	100GBASE QSFP Active Optical Cable, 10m
QSFP-100G-AOC15M	100GBASE QSFP Active Optical Cable, 15m
QSFP-100G-AOC20M	100GBASE QSFP Active Optical Cable, 20m
QSFP-100G-AOC25M	100GBASE QSFP Active Optical Cable, 25m
QSFP-100G-AOC30M	100GBASE QSFP Active Optical Cable, 30m
QSFP-4SFP25G-CU1M[5][10][19]	100GBASE QSFP to 4xSFP25G passive copper splitter cable, 1M
QSFP-4SFP25G-CU2M[5][10][19]	100GBASE QSFP to 4xSFP25G passive copper splitter cable, 2M
QSFP-4SFP25G-CU3M[5][10][19]	100GBASE QSFP to 4xSFP25G passive copper splitter cable, 3M
QSFP-4SFP25G-CU5M[5][10][19]	100GBASE QSFP to 4xSFP25G passive copper splitter cable, 5M

Note:

[4] Nexus switches listed in table 2 are supported with IMC Version 4.0.4(e) and with UCS 6400 series FI.

[5] These cables are only supported with VIC 1455/1457/1467.

[6] SFP-H25G-CU4M cable support VIC 1455/1457/1467 with both UCS-FI-6454/64108 in minimum UCSM Release 4.1(2a) with VIC firmware 5.1(2d).

[7] SFP-H25G-CU5M cable support VIC 1455/1457/1467 with both UCS-FI-6454/64108 in minimum UCSM Release 4.1(2a) with VIC firmware 5.1(2d). Additionally, minimum CIMC Release 4.1(2a) is required to qualify with N9K switches listed in Table 2.

[9] SFP-25G-AOC4M cable support VIC 1455/1457/1467 with both UCS-FI-6454/64108 in minimum UCSM Release 4.1(3) with VIC firmware 5.1(3a). Additionally, minimum CIMC Release 4.1(3) is required to qualify with N9K switches listed in Table 2.

[10] These cables are supported with VIC 1455/1457 with both UCS-FI-6454/64108 in minimum UCSM Release 4.1(3) with VIC firmware 5.1(3a) Cable QSFP-4SFP25-CU5M has been qualified as of Cisco IMC 4.2(1).

[11] SFP-H25G-CU5M cable support VIC 1455/1457 with both UCS-FI-6454/64108 in minimum UCSM Release 4.0(4k) and for Cisco IMC 4.0(4m) with VIC firmware 5.0(3i).

[12] SFP-H25G-CU5M cable support VIC 1455/1457 with both UCS-FI-6454/64108 in minimum UCSM Release 4.1(1e) with VIC firmware 5.1(1g). Additionally, minimum CIMC Release 4.1(1h) is required to qualify with N9K switches listed in Table 2.

[13] These Cisco Meraki cable and transceiver PIDs are supported by VIC 1455/1457/1467 from IMC version 4.1(3).

[17] Supported with VIC1495/1497/1477" in IMM, UCSM, and Cisco IMC for Release 4.2(2).

[19] Support added for standalone switch 9316D-GX with Cisco IMC for Release 4.2(2).

© 2026 Cisco and/or its affiliates. All rights reserved.

Ordering information

Table 7 presents ordering information for the Cisco UCS VIC 1400/14000 Series.

Table 7. Ordering information

Part number	Description
UCSB-MLOM-40G-04	Cisco UCS VIC 1440 mLOM for B-Series M5 and M6
UCSB-VIC-M84-4P	Cisco UCS VIC 1480 mezz for B-Series M5 and M6
UCSX-V4-Q25GML	UCS VIC 14425 4x25G mLOM for X Compute Node
UCSX-V4-Q25GME	UCS VIC 14825 4x25G mezz for X Compute Node
UCSX-V4-BRIDGE	UCS VIC 14000 bridge connector between mLOM and mezz for X Compute Node
UCSC-PCIE-C25Q-04	Cisco UCS VIC 1455 quad port 10/25G SFP28 PCIe for C220 M5/M6, C240 M5/M6, S3260 M5, C240 SD M5, C480 M5, C480 ML M5, C125 M5, S3260 M5, C225 M6, C245 M6
UCSC-MLOM-C25Q-04	Cisco UCS VIC 1457 quad port 10/25G SFP28 mLOM for C220 M5, C240 M5 and C240 SD M5
UCSC-M-V25-04	Cisco UCS VIC 1467 quad port 10/25G SFP28 mLOM for C220 M6, C240 M6, C225 M6, C245 M6
UCSC-PCIE-C100-04	Cisco UCS VIC 1495 dual port 40/100G QSFP28 PCIe for C220 M5/M6, C240 M5/M6, S3260 M5, C240 SD M5, C480 M5, C480 ML M5, C125 M5, S3260 M5, C225 M6, C245 M6
UCSC-MLOM-C100-04	Cisco UCS VIC 1497 dual port 40/100G QSFP28 mLOM for C220 M5, C240 M5, C240 SD M5
UCSC-M-V100-04	Cisco UCS VIC 1477 dual port 40/100G QSFP28 mLOM for C220 M6, C240 M6, C225 M6, C245 M6

System requirements

The Cisco UCS VIC 1400/14000 Series is designed for use on Cisco UCS B-Series M5 and M6 Blade Servers, C-Series M5 and M6 Rack Servers, X-Series M6 Servers and S-Series M5 Storage Servers.

Warranty information

Find warranty information at Cisco.com on the Product Warranties page.

© 2026 Cisco and/or its affiliates. All rights reserved.

Product sustainability

Information about Cisco's environmental, social, and governance (ESG) initiatives and performance is provided in Cisco's CSR and sustainability reporting.

Table 8. Cisco environmental sustainability information

Sustainability topic		Reference
General	Information on product-material-content laws and regulations	Materials
	Information on electronic waste laws and regulations, including our products, batteries, and packaging	WEEE Compliance
	Information on product takeback and reuse program	Cisco Takeback and Reuse Program
	Sustainability inquiries	Contact: csr_inquiries@cisco.com
	Standards	Table 2. Product specifications
Power	Power consumption	Table 3. Product specifications
Material	Product packaging weight and materials	Contact: environment@cisco.com
	Physical dimensions	Table 3. Product specifications

Cisco Unified Computing Services

Using a unified view of data center resources, Cisco and our industry-leading partners deliver services that accelerate your transition to a unified computing architecture. Cisco Unified Computing Services help you quickly deploy your data center resources, simplify ongoing operations, and optimize your infrastructure to better meet your business needs. For more information about these and other Cisco Data Center Services, visit https://www.cisco.com/go/unifiedcomputingservices.

Why Cisco?

The Cisco Unified Computing System continues Cisco's long history of innovation in delivering integrated systems for improved business results based on industry standards and using the network as the platform. Recent examples include IP telephony, LAN switching, unified communications, and unified I/O. Cisco began the unified computing phase of our unified data center strategy several years ago by assembling an experienced team from the computing and virtualization industries to augment our own networking and storage access expertise. As a result, Cisco delivered foundational technologies, including the Cisco Nexus Family, supporting unified fabric and server virtualization. Cisco UCS completes this phase, delivering innovation in architecture, technology, partnerships, and services. Cisco is well positioned to deliver this innovation by taking a systems approach to computing that unifies network intelligence and scalability with innovative ASICs, integrated management, and standard computing components.

© 2026 Cisco and/or its affiliates. All rights reserved.

Cisco Capital

Flexible payment solutions to help you achieve your objectives

Cisco Capital makes it easier to get the right technology to achieve your objectives, enable business transformation and help you stay competitive. We can help you reduce the total cost of ownership, conserve capital, and accelerate growth. In more than 100 countries, our flexible payment solutions can help you acquire hardware, software, services and complementary third-party equipment in easy, predictable payments. Learn more.

For more information

For more information about Cisco UCS, visit https://www.cisco.com/en/US/products/ps10265/index.html.

© 2026 Cisco and/or its affiliates. All rights reserved.

Document history

New or revised topic	Described in	Date
Added new transceiver matrix	Where applicable	October 20, 2022
Updated 100G optics, N93180YC-FX3 compatibility	Table 5	July 2024

Americas Headquarters
Cisco Systems, Inc.
San Jose, CA

Asia Pacific Headquarters
Cisco Systems (USA) Pte. Ltd.
Singapore

Europe Headquarters
Cisco Systems International BV Amsterdam,
The Netherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at **https://www.cisco.com/go/offices**.

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: https://www.cisco.com/go/trademarks. Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)

Printed in USA C78-741130-16 10/26

© 2026 Cisco and/or its affiliates. All rights reserved.