



Supported Hardware

This chapter contains information about the products and components supported in Cisco DCNM.

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Hardware Supported in Cisco DCNM, Release 11.1(1)

In LAN Fabric installation of Cisco DCNM 11.1(1), the Cisco Nexus 9000 and Nexus 3000 switches are supported for easy VXLAN EVPN fabric provisioning. The specific Cisco Nexus 3000 models supported are:

- Cisco Nexus 3636C-R
- Cisco Nexus C36180YC-R



Note In DCNM LAN Classic mode, all Nexus switches are supported.

The following tables list the products and components supported in Cisco DCNM, Release 11.1(1).

Table 1: Cisco MDS 9000 Family

| Product/Component | Part Number |
|---|-----------------|
| Cisco MDS 9396T 32-Gbps 96-Port Fibre Channel Switch | DS-C9396T-K9 |
| Cisco MDS 9148T 32-Gbps 48-Port Fibre Channel Switch | DS-C9148T-K9 |
| Cisco MDS 9700 48-Port 32-Gbps Fibre Channel Switching Module | DS-X9648-1536K9 |
| Cisco MDS 9250i Multilayer Fabric Switch | DS-9250I-K9 |
| Cisco MDS 9124 24-Port Multilayer Fabric Switch | DS-C9124-K9 |
| Cisco MDS 9134 34-Port Multilayer Fabric Switch | DS-C9134-K9 |
| Cisco MDS 9148 48-Port Multilayer Fabric Switch | DS-C9148-K9 |
| Cisco MDS 9148 48-Port Multilayer Fabric Switch | DS-C9148S-K9 |

| Product/Component | Part Number |
|--|----------------|
| Cisco MDS 9216i Multilayer Fabric Switch | DS-C9216i-K9 |
| Cisco MDS 9222i Multilayer Fabric Switch | DS-C9222i-K9 |
| Cisco MDS 9506 Multilayer Director | DS-C9506 |
| Cisco MDS 9509 Multilayer Director | DS-C9509 |
| Cisco MDS 9513 Multilayer Director | DS-C9513 |
| Cisco MDS 9706 Multilayer Director | DS-C9706 |
| Cisco MDS 9710 Multilayer Director | DS-C9710 |
| Cisco MDS 9718 Multilayer Director | DS-C9718 |
| Cisco MDS 9000 32-Port 2-Gbps Fibre Channel Switching Module | DS-X9032 |
| Cisco MDS 9000 32-Port Storage Services Module | DS-X9032-SSM |
| Cisco MDS 9000 12-port 4-Gbps Fibre Channel Switching Module | DS-X9112 |
| Cisco MDS 9000 12-port 4-Gbps Fibre Channel Switching Module | DS-X9112 |
| Cisco MDS 9000 12-port 4-Gbps Fibre Channel Switching Module | DS-X9112 |
| Cisco MDS 9000 24-port 4-Gbps Fibre Channel Switching Module | DS-X9124 |
| Cisco MDS 9000 48-port 4-Gbps Fibre Channel Switching Module | DS-X9148 |
| Cisco MDS 9000 24-Port 8-Gbps Fibre Channel Switching Module | DS-X9224-96K9 |
| Cisco MDS 9000 32-port 8-Gbps Advanced Fibre Channel Switching Module | DS-X9232-256K9 |
| Cisco MDS 9000 48-port 8-Gbps Advanced Fibre Channel Switching Module | DS-X9248-256K9 |
| Cisco MDS 9000 4/44-Port Host-Optimized 8-Gbps Fibre Channel Switching Module | DS-X9248-48K9 |
| Cisco MDS 9000 48-Port 8-Gbps Fibre Channel Switching Module | DS-X9248-96K9 |
| Cisco MDS 9000 Family 14-Port Fibre Channel and 2-port Gigabit Ethernet Module | DS-X9302-14K9 |
| Cisco MDS 9000 18/4-Port Multiservice Module (MSM-18/4) | DS-X9304-18K9 |
| Cisco MDS 9000 4-port 1-Gbps IP Storage Module | DS-X9304-SMIP |
| Cisco MDS 9000 8-port 1-Gbps IP Storage Module | DS-X9308-SMIP |

| Product/Component | Part Number |
|---|------------------|
| Cisco MDS 9000 Family 16-Port Storage Services Node (SSN-16) | DS-X9316-SSNK9 |
| Cisco MDS 9000 Family 24/10 SAN Extension Module | DS-X9334-K9 |
| Cisco MDS 9000 48-port 16-Gbps Fibre Channel Switching Module with SFP LC connectors | DS-X9448-768K9 |
| Cisco MDS 9500 Series Supervisor-1 Module | DS-X9530-SF1-K9 |
| Cisco MDS 9500 Series Supervisor-2 Module | DS-X9530-SF2-K9 |
| Cisco MDS 9500 Series Supervisor-2A Module | DS-X9530-SF2A-K9 |
| Cisco MDS 9000 Family 4-Port 10-Gbps Fibre Channel Switching Module | DS-X9704 |
| Cisco MDS 9000 8-port 10-Gbps Fibre Channel over Ethernet (FCoE) Module | DS-X9708-K9 |
| Cisco MDS 48-Port 10-Gigabit Fibre Channel over Ethernet (FCoE) Module with SFP LC connectors | DS-X9848-480K9 |
| Cisco MDS 9132U 1RU Switch 32x32G-FC | DS-C9132U |

Table 2: Cisco Nexus 9000 Series Switches

| Product/Component | Part Number |
|---|-----------------------------------|
| Cisco Nexus 9000 Series Switches | |
| 32P 40/100G QSFP28, 2P 1/10G SFP | N9K-C9332C |
| 1 RU 48x1/10GT + 6x40G/100G Ethernet Ports | N9K-C93180TC-FX |
| Cisco Nexus 7700 F4 40G Line card | Cisco Nexus 7700 F4 40G Line card |
| Cisco Nexus 9336C-FX2, 1-RU, fixed-port switch | N9K-C9336C-FX2 |
| Cisco Nexus 9000 Fixed with 48p 1/10G/25G SFP and 12p 40G/100G QSFP28 | N9K-C93240YC-FX2 |
| 32-port 100Gigabit EthernetQuad Small Form-Factor Pluggable 28 (QSFP28) line card | N9K-X9732C-FX |
| 48-port 1 and 10GBASE-T plus 4-port 40/100Gigabit Ethernet QSFP 28 line card | N9K-X9788TC-FX |
| FabricModule for Nexus 9516 chassis 100G support (100G/flow), NX-OS and ACI Spine | N9K-C9516-FM-E2 |
| FabricModule for Nexus 9504 R-Series LC, NX-OS only | N9K-C9504-FM-R |
| Fretta 48p 1/10/25G + 4p 100G Line card | N9K-X96160YC-R |

| Product/Component | Part Number |
|---|------------------|
| 100-Gigabit N9K-C9508-FM-E2 Fabric Module | N9K-C9508-FM-E2 |
| 48P 1/10/25G + 6x100G QSFP28 1RU | N3K-C36180YC-R |
| 36 40/100G Ethernet module for Nexus 9500 Series | N9K-X9736C-FX |
| 64x100G QSFP28 + 2x10GSFP 1RU | N9K-C9364C |
| 36x100G Ethernet module for Nexus 9000 Series | N9K-X9636C-RX |
| 1RU TOR, fixed module 48 100/1000Mbps + 4 25G SFP28 + 2 100G QSFP28 | N9K-C9348GC-FXP |
| 1RU TOR, fixed module 48 10/25G SFP28 + 6 40/100G QSFP28 | N9K-C93180YC-FX |
| 1RU TOR, fixed module for Nexus 9300 Series 6 40G/100G QSFP28 + 48 10G BASE-T | N9K-C93108TC-FX |
| Broadwell CPU based Supervisor module for Nexus 9400 Series | N9K-SUPA-PLUS |
| Broadwell CPU based Supervisor module for Nexus 9400 Series | N9K-SUPB-PLUS |
| Nexus 9K Fixed with 48p 10G BASE-T and 6p 40G/100G QSFP28 | N9K-C93108TC-EX |
| N9K-C92300YC-Fixed Module | N9K-C92300YC |
| 48-port 1/10/25 Gigabit Ethernet SFP+ and 4-port 40/100 Gigabit Ethernet QSFP Line Card | N9K-X97160YC-EX |
| Nexus N9K-C9232C Series fixed module with 32x40G/100G | N9K-C9232C |
| Nexus 9K Fixed with 48p 1/10G/25G SFP+ and 6p 40G/100G QSFP28 | N9K-C93180YC-EX |
| Cisco Nexus 9000 Series 40GE Modules | |
| N9K 32p 40G Ethernet Module | N9K-X9432PQ |
| 36p 40G Ethernet Module | N9K-X9636PQ |
| Cisco Nexus 9000 Series 10GE Fiber and Copper Modules | |
| 8-port 100-Gigabit CFP2 I/O module | N9K-X9408PC-CFP2 |
| 100 Gigabit Ethernet uplink ports | N9K-M4PC-CFP2 |
| Cisco Nexus 9500 Line Card support | N9K-X9564PX |
| N9K 48x1/10G-T 4x40G Ethernet Module | N9K-X9464PX |
| Cisco Nexus 9500 Line Card support | N9K-X9564TX |

| Product/Component | Part Number |
|--|-----------------|
| N9K 48x1/10G SFP+ 4x40G Ethernet Module | N9K-X9464TX |
| Cisco Nexus 9000 Series GEM Module | |
| N9K 40G Ethernet Expansion Module | N9K-M12PQ |
| N9K 40G Ethernet Expansion Module | N9K-M6PQ |
| Cisco Nexus 9200 Switches | |
| Nexus 92160YC-X with High performance 1RU box, 48 1/10/25-Gb host ports | N9K-C92160YC-X |
| Nexus 9272Q with High-performance, 72-port/40-Gb fixed switching 2RU box, 5.76 Tbps of bandwidth | N9K-C9272Q |
| Nexus 9200 with 56p 40G QSFP+ and 8p 100G QSFP28 | N9K-C92304QC |
| Nexus 9200 with 36p 40G 100G QSFP28 | N9K-C9236C |
| Nexus 9200 with 48p 1/10G/25G SFP+ and 6p 40G QSFP or 4p 100G QSFP28 | N9K-C92160YC-X |
| Nexus 9200 with 72p 40G QSFP+ | N9K-C9272Q |
| Cisco Nexus 9300 Fixed Switches | |
| Nexus 9300 with 24p 40/50G QSFP+ and 6p 40G/100G QSFP28 | N9K-C93180LC-EX |
| 9372-PXE - 48 1/10-Gbps (SFP+) ports and 6 Quad SFP+ (QSFP+) uplink port, 1 RU box | N9K-C9372PX-E |
| Cisco Nexus 9396PX Switch | N9K-C9396PX |
| Cisco Nexus 9396TX Switch | N9K-C9396TX |
| Cisco Nexus 9372PX Switch | N9K-C9372TX |
| Cisco Nexus 9372PX Switch | N9K-C9372TX |
| Cisco Nexus 9372TX Switch | N9K-C9372TX |
| Cisco Nexus 9372TX Switch | N9K-C9372PX |
| Cisco Nexus 9332PQ Switch | N9K-C9332PQ |
| Cisco Nexus 93128TX Switch | N9K-C93128TX |
| Nexus 9300 with 48p 1/10G-T and 6p 40G QSFP+ | N9K-C9372TX-E |
| Cisco Nexus 9500 Modular Chassis | |
| New fabric module for the Cisco Nexus 9516 Switch chassis | N9K-C9516-FM-E |
| 40/100G Ethernet Module for Nexus 9500 Series chassis | N9K-X9736C-EX |

| Product/Component | Part Number |
|---|----------------|
| Cisco Nexus 9504 Switch | N9K-C9504 |
| Cisco Nexus 9508 Switch | N9K-C9508 |
| Cisco Nexus 9516 Switch | N9K-C9516 |
| Nexus 9500 linecard, 32p 100G QSFP aggregation linecard | N9K-X9732C-EX |
| Nexus 9500 linecard, 32p 100G QSFP28 aggregation linecard (Linerate >250 Bytes) | N9K-X9432C-S |
| Cisco Nexus 9500 Fabric Modules | |
| Fabric Module for Nexus 9504 with 100G support, NX-OS and ACI spine | N9K-C9504-FM-E |
| Fabric Module for Nexus 9504 with 100G support, NX-OS only | N9K-C9504-FM-S |
| Fabric Module for Nexus 9508 chassis 100G support, NX-OS and ACI spine | N9K-C9508-FM-E |
| Fabric Module for Nexus 9508 chassis 100G support, NX-OS only | N9K-C9508-FM-S |

Table 3: Cisco Nexus 7000 Series Switches

| Product/Component | Part Number |
|---|-----------------|
| Supported Chassis | |
| Cisco Nexus 7004 chassis | N7K-C7004 |
| Cisco Nexus 7706 chassis | N77-C7706-FAB2 |
| Cisco Nexus 7009 chassis | N7K-C7009 |
| Cisco Nexus 7010 chassis | N7K-C7010 |
| Cisco Nexus 7018 chassis | N7K-C7018 |
| Cisco Nexus 7710 chassis | N7K-C7710 |
| Cisco Nexus 7718 chassis | N7K-C7718 |
| Fabric module, Cisco Nexus 7009 chassis | N7K-C7009-FAB-2 |
| Fabric module, Cisco Nexus 7010 chassis | N7K-C7010-FAB-1 |
| Fabric module, Cisco Nexus 7010 chassis | N7K-C7010-FAB-2 |
| Fabric module, Cisco Nexus 7018 chassis | N7K-C7018-FAB-1 |
| Fabric module, Cisco Nexus 7018 chassis | N7K-C7018-FAB-2 |
| Fabric module, Cisco Nexus 7710 chassis | N77-C7710-FAB-1 |
| Fabric module, Cisco Nexus 7710 chassis | N77-C7710-FAB-2 |

| Product/Component | Part Number |
|---|----------------------------------|
| Fabric module, Cisco Nexus 7718 chassis | N77-C7718-FAB-2 |
| Supported Supervisor | |
| Cisco Nexus 7000 Supervisor 1 Module | N7K-SUP1 |
| Cisco Nexus 7000 Supervisor 2 Module | N7K-SUP2 |
| Cisco Nexus 7000 Supervisor 2 Enhanced Module | N7K-SUP2E |
| Cisco Nexus 7700 Supervisor 2 Enhanced Module | N77-SUP2E |
| Cisco Nexus 7700 Supervisor 3 | N77-SUP3E |
| Supported F Line Cards | |
| Cisco Nexus 7700 Fabric module 3 | N77-C7706-FAB-3, N77-C7710-FAB-3 |
| LC,N77, FANGIO CB100, 30PT,40GE, zQFSP+ | N77-F430CQ-36 |
| 32-port 1/10 Gigabit Ethernet SFP+ I/O Module | N7K-F132XP-15 |
| 48-port 1/10 Gigabit Ethernet SFP+ I/O Module (F2 Series) | N7K-F248XP-25 |
| 48-port 1/10 Gigabit Ethernet SFP+ I/O Module (Enhanced F2 Series) | N7K-F248XP-25E |
| 48-port 1/10 GBase-T RJ45 Module (Enhanced F2-Series) | N7K-F248XT-25E |
| Cisco Nexus 7700 Enhanced 48-port 1/10 Gigabit Ethernet SFP+ I/O Module (F2 Series) | N77-F248XP-23E |
| Cisco Nexus 7000 1 F3 100G | N7K-F306CK-25 |
| Cisco Nexus 7000 F3-Series 6-Port 100G Ethernet Module | N7K-F306CK-25 |
| Cisco Nexus 7000 F3-Series 12-Port 40G Ethernet Module | N7K-F312FQ-25 |
| Cisco Nexus 7700 F3-Series 24-Port 40G Ethernet Module | N77-F324FQ-25 |
| Cisco Nexus 7700 F3-Series 48-Port Fiber 1 and 10G Ethernet Module | N77-F348XP-23 |
| Nexus 7000 F3-Series 48-Port Fiber 1 and 10G Ethernet Module | N7K-F348XP-25 |
| Supported M Line Cards | |
| 8-port 10-Gigabit Ethernet Module with XL Option (requires X2) | N7K-M108X2-12L |
| 32-port 10-Gigabit Ethernet SFP+ I/O Module | N7K-M132XP-12 |

| Product/Component | Part Number |
|--|----------------|
| 32-port 10-Gigabit Ethernet SFP+ I/O Module with XL Option | N7K-M132XP-12L |
| 48-port 10/100/1000 Ethernet I/O Module | N7K-M148GT-11 |
| 48-port 1-Gigabit Ethernet SFP I/O Module | N7K-M148GS-11 |
| 48-port 1-Gigabit Ethernet Module with XL Option | N7K-M148GS-11L |
| 2-port 100-Gigabit Ethernet I/O Module with XL Option | N7K-M202CF-22L |
| 6-port 40-Gigabit Ethernet I/O Module with XL Option | N7K-M206FQ-23L |
| 24-port 10-Gigabit Ethernet I/O Module with XL Option | N7K-M224XP-23L |
| Network Analysis Module NAM-NX1 | N7K-SM-NAM-K9 |

Table 4: Cisco Nexus 6000 Series Switches

| Product/Component | Part Number |
|--|---------------|
| N6004X/5696 chassis Note This has been rebranded as Cisco Nexus 5000 Series Switches Chassis | N5K-C5696Q |
| Cisco Nexus 6001-64T Switch | N6K-C6001-64T |
| Cisco Nexus 6001-64P Switch | N6K-C6001-64P |
| Cisco Nexus 6004 EF Switch | N6K-C6004 |
| Cisco Nexus 6004 module 12Q 40-Gigabit Ethernet Linecard Expansion Module/FCoE, spare | N6004X-M12Q |
| Cisco Nexus 6004 M20UP LEM | N6004X-M20UP |
| Cisco Nexus 6004P-96Q Switch | N6K-6004-96Q |

Table 5: Cisco Nexus 5000 Series Switches

| Product/Component | Part Number |
|--|-------------|
| Cisco Nexus 5648Q Switch is a 2RU switch, 24 fixed 40-Gbps QSFP+ ports and 24 additional 40-Gbps QSFP+ ports | N5K-C5648Q |
| Cisco Nexus 5624Q Switch 1 RU, -12 fixed 40-Gbps QSFP+ ports and 12 X 40-Gbps QSFP+ ports expansion module | N5K-C5624Q |
| 20 port UP LEM | N5696-M20UP |
| 12 port 40G LEM | N5696-M12Q |

| Product/Component | Part Number |
|---|-----------------------------------|
| 4 port 100G LEM | N5696-M4C |
| N5000 1000 Series Module 6-port 10GE | N5K-M1600(=) |
| N5000 1000 Series Module 4x10GE 4xFC 4/2/1G | N5K-M1404= |
| N5000 1000 Series Module 8-port 4/2/1G | N5K-M1008= |
| N5000 1000 Series Module 6-port 8/4/2G | N5K-M1060= |
| Cisco Nexus 56128P Switch | N5K-C56128P |
| Cisco Nexus 5010 chassis | N5K-C5010P-BF |
| Cisco Nexus 5020 chassis | N5K-C5020P-BF N5K-C5020P-BF-XL |
| Cisco Nexus 5548P Switch | N5K-C5548P-FA |
| Cisco Nexus 5548UP Switch | N5K-C5548UP-FA |
| Cisco Nexus 5672UP Switch | N5K-C5672UP |
| Cisco Nexus 5596T Switch | N5K-C5596T-FA |
| Cisco Nexus 5596UP Switch | N5K-C5596UP-FA |
| Cisco Nexus 0296-UPT chassis and GEM N55-M12T support | N5K-C5596T-FA-SUP |
| 16-port Universal GEM, Cisco Nexus 5500 | N5K-M16UP |
| Version 2, Layer 3 daughter card | N55-D160L3-V2 |

Table 6: Cisco Nexus 4000 Series Switches

| Product/Component | Part Number |
|---------------------------------|---------------|
| Cisco Nexus 4001I Switch Module | N4K-4001I-XPX |
| Cisco Nexus 4005I Switch Module | N4K-4005I-XPX |

Table 7: Cisco Nexus 3000 Series Switches

| Product/Component | Part Number |
|---|---------------|
| 1 RU 48 x SFP+/SFP28 and 6 x QSFP+/QSFP28 | N3K-C34180YC |
| 1RU 32 Port QSFP28 10/25/40/50/100 Gbps | N3K-C3132C-Z |
| Nexus 3548-XL Switch, 48 SFP+ | N3K-C3548P-XL |
| Nexus 3264C-E switch with 64 QSFP28 | N3K-C3264C-E |
| Cisco Nexus 3132Q Switch | N3K-C3132C-Z |
| Cisco Nexus 3132Q-V Switch | N3K-C3132Q-V |

| Product/Component | Part Number |
|---|------------------|
| Nexus 34180YC programmable switch, 48 10/25G SFP and 6 40/100G QSFP28 ports | N3K-C34180YC |
| Cisco Nexus 3016 Switch | N3K-C3016Q-40GE |
| Cisco Nexus 3048 Switch | N3K-C3048TP-1GE |
| Cisco Nexus 3064-E Switch | N3K-C3064PQ-10GE |
| Cisco Nexus 3064-X Switch | N3K-C3064PQ-10GX |
| Cisco Nexus 3064-T Switch | N3K-C3064TQ-10GT |
| Nexus 31108PC-V, 48 SFP+ and 6 QSFP28 ports | N3K-C31108PC-V |
| Nexus 31108TC-V, 48 10GBase-T RJ-45 and 6 QSFP28 ports | N3K-C31108TC-V |
| Cisco Nexus 3132Q Switch | N3K-C3132Q-40GE |
| Nexus 3132 Chassis | N3K-C3132Q-40GX |
| Cisco Nexus 3172PQ Switch | N3K-C3172PQ-10GE |
| Cisco Nexus 3548 Switch | N3K-C3548P-10G |
| Cisco Nexus 3636C-R Switch | N3K-C3636C-R |

Table 8: Cisco Nexus 2000 Series Fabric Extenders

| Product/Component | Part Number |
|--|--------------------|
| Nexus 2348 Chassis | N2K-C2348TQ-10GE |
| Cisco Nexus 2348UPQ 10GE 48 x 1/10 Gigabit Ethernet and unified port host interfaces (SFP+) and up to 6 QSFP+ 10/40 Gigabit Ethernet fabric interfaces | N2K-C2348UPQ |
| Cisco Nexus 2148 1 GE Fabric Extender | N2K-C2148T-1GE |
| Cisco Nexus 2224TP Fabric Extender | N2K-C2224TP-1GE |
| Cisco Nexus 2232TM 10GE Fabric Extender | N2K-C2232TM-10GE |
| Cisco Nexus 2232TM 10GE Fabric Extender | N2K-C2232TM-E-10GE |
| Cisco Nexus 2232PP 10 GE Fabric Extender | N2K-C2232PP-10GE |
| Cisco Nexus 2248TP 1 GE Fabric Extender | N2K-C2248TP-1GE |
| Cisco Nexus 2248TP E GE Fabric Extender | N2K-C2248TP-E GE |
| Cisco Nexus 2248PQ Fabric Extender | N2K-C2248PQ-10GE |
| Cisco Nexus B22 Fabric Extender for HP | N2K-B22HP-P |
| Cisco Nexus B22 Fabric Extender for Fujitsu | N2K-B22FTS-P |
| Cisco Nexus B22 Fabric Extender for Dell | N2K-B22DELL-P |

| Product/Component | Part Number |
|---|-----------------|
| Cisco Nexus 2348TQ-E 10GE Fabric Extender | N2K-C2348TQ-E++ |

IBM Directors and switches supported in Cisco DCNM 11.1(1)

- IBM SAN192C-6 8978-E04 (4 Module) SAN Director
- IBM SAN384C-6 8978-E08 (8 Module) SAN Director
- IBM SAN768C-6 8978-E16 (16 Module) SAN Director
- IBM SAN50C-R 8977-R50 50 Port SAN Extension Switch
- IBM SAN32C-6 8977-T32 32X32G FC SAN Switch

