

Additional Hardware

This appendix contains the following topics:

- Additional Kits, on page 1
- Additional Components and Cables, on page 2

Additional Kits

The following additional kit is available for the fabric interconnect.

Rack Mount Kit UCS-ACC-6664

The following table lists and illustrates the contents for the 2-RU rack-mount kit (UCS-ACC-6664).

Caution The rack mount kit described in this topic contains the screws to assemble the pieces of the kit. However, you must provide twelve 10-32 or 12-24 screws, based on the type of rack you have, to secure the slider rails and fabric interconnect to the rack. Failure to provide and install these screws can cause the fabric interconnect to slide into or out of the rack.

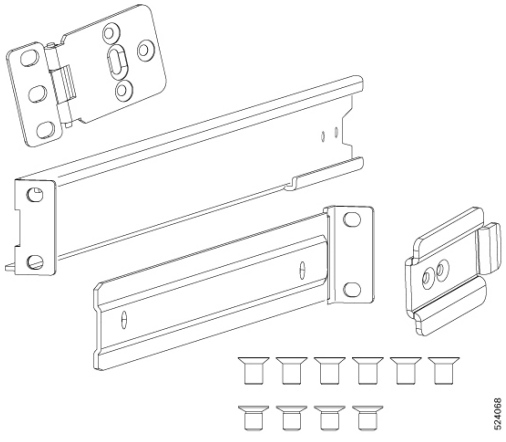
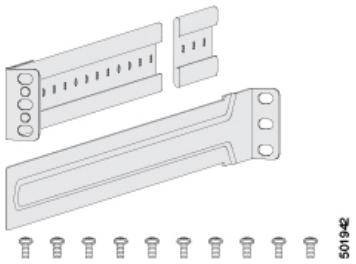
Illustration	Description	Quantity
	Rack-mount kit • Rack-mount brackets (2) • Rack-mount front-mount brackets (2) • Rack-mount slider rails (2) • Rack-mount retainer clips (2) • Phillips pan-head screws (12), not included, customer provided • Flat head screws M4 (6) • Flat head screws M3 (4)	1

Illustration	Description	Quantity
Not applicable	EAC Compliance document	1
Not applicable	Hazardous substances list for customers in China	1

Rack Mount Kit UCS-ACC-6652

The following table lists and illustrates the contents for the 1-RU rack-mount kit (UCS-ACC-6652=).

Illustration	Description	Quantity
	Rack-mount kit • Front brackets (2) • Rear brackets (2) • Slider rails (2) • M4 Phillips pan-head screws (10)	1
	Ground lug kit • Two-hole lug (1) • M4 x 8-mm Phillips pan-head screws (2)	1
Not applicable	EAC Compliance document	1
Not applicable	Hazardous substances list for customers in China	1

Additional Components and Cables

The fabric interconnect supports the following additional hardware components and cables.

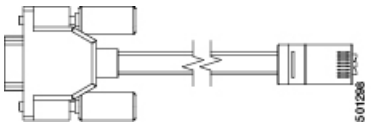
- Cables and Components for the Cisco UCS 6664 Fabric Interconnect, on page 2
- Cables and Components for the Cisco UCS 6652 Fabric Interconnect, on page 7

Cables and Components for the Cisco UCS 6664 Fabric Interconnect

This topic contains the additional cables and components that are supported on the Cisco UCS 6664 Fabric Interconnects. See the appropriate section.

Console Cable

The following table lists and illustrates the console cable (CAB-CONSOLE-RJ45) that can be ordered.

Illustration	Description	Quantity
	Console cable with DB-9F and RJ-45F connectors	1

100 GbE Components

The following table shows the PIDs and descriptions for relevant 100GbE components and cables.

PID	Description
QSFP-100G-SR4-S	100GBASE SR4 QSFP Transceiver, MPO, 100m over OM4 MMF
QSFP-100G-LR4-S	100GBASE LR4 QSFP Transceiver, LC, 10km over SMF
QSFP-100G-PSM4-S	100GBASE PSM4 QSFP Transceiver, 500m over SMF
QSFP-100G-SM-SR	100GBASE CWDM4 Lite QSFP Transceiver, 2km over SMF, 10-60C
QSFP-100G-SL4	100GBASE SL4 for up to 30M over OM4 MMF
QSFP-100G-ER4L-S	100GBASE QSFP Transceiver, 40KM reach over SMF, Duplex LC
QSFP-40/100-SRBD	100G and 40GBASE SR-BiDi QSFP Transceiver, LC, 100m OM4 MMF
QSFP-100G-DR-S	100G QSFP28 Transceiver 100GBASE-DR, 500m SMF, duplex, LC
QSFP-100G-FR-S	100G QSFP28 Transceiver 100G-FR, 2km SMF, duplex, LC
QSFP-100G-LR-S	100G QSFP28 100G-LR, 10km SMF, duplex, LC Connector
QSFP-100G-SR1.2	100G SR1.2 BiDi QSFP Transceiver, LC, 100m OM4 MMF
QSFP-100G-CU1M	100GBASE-CR4 Passive Copper Cable, 1m
QSFP-100G-CU2M	100GBASE-CR4 Passive Copper Cable, 2m
QSFP-100G-CU3M	100GBASE-CR4 Passive Copper Cable, 3m
QSFP-100G-CU5M	100GBASE-CR4 Passive Copper Cable, 5m
QSFP-100G-AOC1M	100GBASE QSFP Active Optical Cable, 1m
QSFP-100G-AOC2M	100GBASE QSFP Active Optical Cable, 2m
QSFP-100G-AOC3M	100GBASE QSFP Active Optical Cable, 3m

PID	Description
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

50 GbE Components and Cables on Unified Ports

The following table shows the PIDs and descriptions for relevant 50 GbE components and cables on unified ports.

Product ID (PID)	Description
SFP-50G-SL	25/50GBASE-SL Transceiver
SFP-50G-SR-S	25/50GBASE-SR SFP56 Transceiver

40 GbE Components and Cables

The following table shows the PIDs and descriptions for relevant 40 GbE components and cables.

PID	Description
QSFP-40G-SR4	40GBASE-SR4 QSFP Transceiver Module with MPO Connector
QSFP-40G-SR4-S	40GBASE-SR4 QSFP Transceiver Module, MPO Conn, Enterprise-Class
QSFP-40G-LR4	QSFP 40GBASE-LR4 OTN Transceiver, LC, 10KM
QSFP-40G-LR4-S	QSFP 40GBASE-LR4 Transceiver Module, LC, 10km, Enterprise-Class
QSFP-40G-SR-BD	QSFP40G BiDi Short-reach Transceiver
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

PID	Description
QSFP-H40G-AOC1M	40GBASE Active Optical Cable, 1m
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	40GBASE Active Optical Cable, 20m
QSFP-H40G-AOC25M	40GBASE Active Optical Cable, 25m
QSFP-H40G-AOC30M	40GBASE Active Optical Cable, 30m
CVR-QSFP-SFP10G	QSFP to SFP10G adapter

25 GbE Components and Cables on Unified Ports

The following table shows the PIDs and descriptions for relevant 25 GbE components and cables on unified ports.

PID	Description
SFP-25G-SR-S	25GBASE-SR SFP Module
SFP-10/25G-SR-S	10/25GBASE-LR SFP28 Module
SFP-10/25G-CSR-S	Dual Rate 10/25GBASE-CSR SFP Module
SFP-25G-SL	25GBASE-SR SFP SL Module
SFP-H25G-CU1M	25GBASE-CU SFP28 Cable 1 Meter
SFP-H25G-CU2M	25GBASE-CU SFP28 Cable 2 Meter
SFP-H25G-CU3M	25GBASE-CU SFP28 Cable 3 Meter
SFP-H25G-CU4M	25GBASE-CU SFP28 Cable 4 Meter
SFP-H25G-CU5M	25GBASE-CU SFP28 Cable 5 Meter
SFP-25G-AOC1M	25GBASE Active Optical SFP28 Cable, 1M
SFP-25G-AOC2M	25GBASE Active Optical SFP28 Cable, 2M
SFP-25G-AOC3M	25GBASE Active Optical SFP28 Cable, 3M
SFP-25G-AOC4M	25GBASE Active Optical SFP28 Cable, 4M

PID	Description
SFP-25G-AOC5M	25GBASE Active Optical SFP28 Cable, 5M
SFP-25G-AOC7M	25GBASE Active Optical SFP28 Cable, 7M
SFP-25G-AOC10M	25GBASE Active Optical SFP28 Cable, 10M

25 GbE Components and Cables on 100Gbps Ports

The following table shows the PIDs and descriptions for relevant 25 GbE components and cables on 100Gbps-capable ports.

PID	Description
SFP-25G-SR-S	25GBASE-SR SFP Module
SFP-10/25G-LR-S	10/25GBASE-LR SFP28 Module
SFP-10/25G-CSR-S	Dual Rate 10/25GBASE-CSR SFP Module
SFP-10/25G-LR-I	10/25GBASE-LR-I SFP28 iTemp Module
SFP-25G-SL	25GbE on 100G port (with QSA28)

10 GbE Components and Cables on Unified Ports

The following table shows the PIDs and descriptions for relevant 10 GbE components and cables.

PID	Description
SFP-10G-SR	10GBASE-SR SFP Module
SFP-10G-SR-S	10GBASE-SR SFP Module, Enterprise-Class
SFP-10G-LR	10GBASE-LR SFP Module
SFP-10G-LR-S	10GBASE-LR SFP Module, Enterprise-Class
SFP-H10GB-CU1M	10GBASE-CU SFP+ Cable 1 Meter
SFP-H10GB-CU2M	10GBASE-CU SFP+ Cable 2 Meter
SFP-H10GB-CU3M	10GBASE-CU SFP+ Cable 3 Meter
SFP-H10GB-CU5M	10GBASE-CU SFP+ Cable 5 Meter
SFP-H10GB-ACU7M	Active Twinax cable assembly, 7 Meter
SFP-H10GB-ACU10M	Active Twinax cable assembly, 10 Meter
SFP-10G-AOC1M	10GBASE Active Optical SFP+ Cable, 1M
SFP-10G-AOC2M	10GBASE Active Optical SFP+ Cable, 2M

PID	Description
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

10 GbE Components and Cables on 100Gbps Ports (QSA)

The following table shows the PIDs and descriptions for relevant 10GbE GSA components and cables on 100 Gbps ports.

PID	Description
SFP-10G-SR	10GBASE-SR SFP Module
SFP-10G-SR-S	10GBASE-SR SFP Module, Enterprise-Class
SFP-10G-LR	10GBASE-LR SFP Module
SFP-10G-LR-S	10GBASE-LR SFP Module, Enterprise-Class

Fibre Channel SFP Transceivers

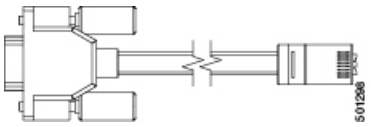
The following table shows the PIDs and descriptions for relevant FC transceivers.

PID	Description
DS-SFP-FC16G-SW	16 Gbps Fibre Channel SW SFP+, LC
DS-SFP-FC32G-SW	32 Gbps Fibre Channel SW SFP+, LC
DS-SFP-FC64G-SW	64 Gbps Fibre Channel SW SFP+, LC
DS-SFP-FC16G-LW	16 Gbps Fibre Channel LW SFP+, LC
DS-SFP-FC32G-LW	32 Gbps Fibre Channel LW SFP+, LC
DS-SFP-FC64G-LW	64 Gbps Fibre Channel LW SFP+, Optic

Cables and Components for the Cisco UCS 6652 Fabric Interconnect

Console Cable

The following table lists and illustrates the console cable (CAB-CONSOLE-RJ45) that can be ordered.

Illustration	Description	Quantity
	Console cable with DB-9F and RJ-45F connectors	1

400GbE Components

The following table shows the PIDs and descriptions for the relevant 400 Gigabit Ethernet media (QSFP-DD, Uplink Only).

Product ID (PID)	Description
QDD-400G-FR4-S	400G QSFP-DD Transceiver,400G-FR4,Duplex LC,2km Duplex SMF
QDD-400G-DR4-S	400G QSFP-DD Transceiver, 400GBASE-DR4, MPO-12,500m parallel
QDD-4x100G-FR-S	QSFP-DD, 4x 100G-FR breakout, MPO-12 SMF, 2km
QDD-4x100G-LR-S	QSFP-DD, 4x 100G-LR breakout, MPO-12 SMF, 10km
QDD-400G-LR4-S	400G QSFP-DD Transceiver,400GBASE-LR4,SMF Duplex LC,10km
QDD-400-CU1M	400G Passive Cable, 1m
QDD-400-CU2M	400G Passive Cable, 2m
QDD-400-CU3M	400G Passive Cable, 3m
QDD-400-AOC1M	400G QSFP-DD Active Optical Cable, 1M
QDD-400-AOC2M	400G QSFP-DD Active Optical Cable, 2M
QDD-400-AOC3M	400G QSFP-DD Active Optical Cable, 3M

100 GbE Components

The following table shows the PIDs and descriptions for the relevant 100 Gigabit Ethernet media (QSFP-DD, Uplink Only).

Product ID (PID)	Description
QSFP-100G-SR4-S	100GBASE SR4 QSFP Transceiver, MPO, 100m over OM4 MMF
QSFP-100G-LR4-S	100GBASE LR4 QSFP Transceiver, LC, 10km over SMF
QSFP-100G-CWDM4-S	100GBASE CWDM4 QSFP Transceiver, LC, 2km over SMF
QSFP-100G-PSM4-S	100GBASE PSM4 QSFP Transceiver, MPO, 500m over SMF
QSFP-100G-SM-SR	100GBASE CWDM4 Lite QSFP Transceiver, 2km over SMF, 10-60C
QSFP-100G-SL4	100GBASE SL4 for up to 30M over OM4 MMF
QSFP-100G-ER4L-S	100GBASE QSFP Transceiver, 40KM reach over SMF, Duplex LC
QSFP-40/100-SRBD	100G and 40GBASE SR-BiDi QSFP Transceiver, LC, 100m OM4 MMF
QSFP-100G-DR-S	100G QSFP28 Transceiver 100GBASE-DR, 500m SMF, duplex, LC

Product ID (PID)	Description
QSFP-100G-FR-S	100G QSFP28 Transceiver 100G-FR, 2km SMF, duplex, LC
QSFP-100G-LR-S	100G QSFP28 100G-LR, 10km SMF, duplex, LC Connector
QSFP-100G-SR1.2	100G SR1.2 BiDi QSFP Transceiver, LC, 100m OM4 MMF
QSFP-100G-CU1M	100GBASE-CR4 Passive Copper Cable, 1m
QSFP-100G-CU2M	100GBASE-CR4 Passive Copper Cable, 2m
QSFP-100G-CU3M	100GBASE-CR4 Passive Copper Cable, 3m
QSFP-100G-CU5M	100GBASE-CR4 Passive Copper Cable, 5m
QSFP-4SFP25G-CU1M	100GBase QSFP to 4xSFP25G Passive Copper Splitter Cable, 1m
QSFP-4SFP25G-CU2M	100GBase QSFP to 4xSFP25G Passive Copper Splitter Cable, 2m
QSFP-4SFP25G-CU3M	100GBase QSFP to 4xSFP25G Passive Copper Splitter Cable, 3m
QSFP-4SFP25G-CU5M	100GBase QSFP to 4xSFP25G Passive Copper Splitter Cable, 5m
QSFP-100G-AOC1M	100GBASE QSFP Active Optical Cable, 1m
QSFP-100G-AOC2M	100GBASE QSFP Active Optical Cable, 2m
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

50 GbE Components

The following table shows the PIDs and descriptions for the relevant 50 Gigabit Ethernet media (SFP, including Unified Ports).

Product ID (PID)	Description
SFP-50G-SL	25/50GBASE-SL Transceiver
SFP-50G-CU3M	25/50GBASE-CU SFP56 Cable 3 Meter. LSZH
SFP-50G-CU5M	25/50GBASE-CU SFP56 Cable 5 Meter LSZH
SFP-50G-SR-S	25/50GBASE-SR SFP56 Transceiver

40 GbE Components

The following table shows the PIDs and descriptions for the relevant 40 Gigabit Ethernet media (QSFP-DD, Uplink Only).

Product ID (PID)	Description
QSFP-40G-SR4	40GBASE-SR4 QSFP Transceiver Module with MPO Connector
QSFP-40G-SR4-S	40GBASE-SR4 QSFP Trnscvr Module, MPO Conn, Enterprise-Class
QSFP-40G-CSR4	QSFP 4x10GBASE-SR Transceiver Module, MPO, 300M
QSFP-40G-LR4	QSFP 40GBASE-LR4 OTN Transceiver, LC, 10KM
QSFP-40G-SR-BD	QSFP40G BiDi Short-reach Transceiver
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-4SFP10G-CU1M	QSFP to 4xSFP10G Passive Copper Splitter Cable, 1m
QSFP-4SFP10G-CU2M	QSFP to 4xSFP10G Passive Copper Splitter Cable, 2m
QSFP-4SFP10G-CU3M	QSFP to 4xSFP10G Passive Copper Splitter Cable, 3m
QSFP-4SFP10G-CU5M	QSFP to 4xSFP10G Passive Copper Splitter Cable, 5m
QSFP-4X10G-LR-S	QSFP 4x10G Transceiver Module, SM MPO, 10KM, Enterprise-Class
QSFP-4X10G-AOC1M	40GBASE Active Optical QSFP to 4SFP breakout Cable, 1m
QSFP-4X10G-AOC2M	40GBASE Active Optical QSFP to 4SFP breakout Cable, 2m
QSFP-4X10G-AOC3M	40GBASE Active Optical QSFP to 4SFP breakout Cable, 3m
QSFP-4X10G-AOC5M	40GBASE Active Optical QSFP to 4SFP breakout Cable, 5m
QSFP-4X10G-AOC7M	40GBASE Active Optical QSFP to 4SFP breakout Cable, 7m
QSFP-H40G-AOC1M	40GBASE Active Optical Cable, 1m
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

25 GbE Components

The following table shows the PIDs and descriptions for the relevant 25 Gigabit Ethernet media.

Product ID (PID)	Description
SFP-25G-SR-S	25GBASE-SR SFP Module

Product ID (PID)	Description
SFP-10/25G-LR-S	10/25GBASE-LR SFP28 Module
SFP-10/25G-CSR-S	Dual Rate 10/25GBASE-CSR SFP Module
SFP-25G-SL	25GBASE-SR SFP SL Module
SFP-H25G-CU1M	25GBASE-CU SFP28 Cable 1 Meter
SFP-H25G-CU2M	25GBASE-CU SFP28 Cable 2 Meter
SFP-H25G-CU3M	25GBASE-CU SFP28 Cable 3 Meter
SFP-H25G-CU4M	25GBASE-CU SFP28 Cable 4 Meter
SFP-H25G-CU5M	25GBASE-CU SFP28 Cable 5 Meter
SFP-25G-AOC1M	25GBASE Active Optical SFP28 Cable, 1M
SFP-25G-AOC2M	25GBASE Active Optical SFP28 Cable, 2M
SFP-25G-AOC3M	25GBASE Active Optical SFP28 Cable, 3M
SFP-25G-AOC4M	25GBASE Active Optical SFP28 Cable, 4M
SFP-25G-AOC5M	25GBASE Active Optical SFP28 Cable, 5M
SFP-25G-AOC7M	25GBASE Active Optical SFP28 Cable, 7M
SFP-25G-AOC10M	25GBASE Active Optical SFP28 Cable, 10M

10 GbE Components

The following table shows the PIDs and descriptions for the relevant 10 Gigabit Ethernet transceivers.

Product ID (PID)	Description
SFP-10G-SR	10GBASE-SR SFP Module
SFP-10G-SR-S	10GBASE-SR SFP Module, Enterprise-Class
SFP-10G-LR	10GBASE-LR SFP Module
SFP-10G-LR-S	10GBASE-LR SFP Module, Enterprise-Class
SFP-H10GB-CU1M	10GBASE-CU SFP+ Cable 1 Meter
SFP-H10GB-CU2M	10GBASE-CU SFP+ Cable 2 Meter
SFP-H10GB-CU3M	10GBASE-CU SFP+ Cable 3 Meter
SFP-H10GB-CU4M	10GBASE-CU SFP+ Cable 4 Meter
SFP-H10GB-CU5M	10GBASE-CU SFP+ Cable 5 Meter
SFP-H10GB-CU1-5M	10GBASE-CU SFP+ Cable 1.5 Meter
SFP-H10GB-CU2-5M	10GBASE-CU SFP+ Cable 2.5 Meter
SFP-10G-AOC1M	10GBASE Active Optical SFP+ Cable, 1M
SFP-10G-AOC2M	10GBASE Active Optical SFP+ Cable, 2M

Product ID (PID)	Description
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

FC (Unified Port) Components

The following table shows the PIDs and descriptions for relevant FC or Unified Port media.

Product ID (PID)	Description
DS-SFP-FC16G-SW	16 Gbps Fibre Channel SW SFP+, LC
DS-SFP-FC32G-SW	32 Gbps Fibre Channel SW SFP+, LC
DS-SFP-FC64G-SW	64 Gbps Fibre Channel SW SFP+, LC
DS-SFP-FC16G-LW	16 Gbps Fibre Channel LW SFP+, LC
DS-SFP-FC32G-LW	32 Gbps Fibre Channel LW SFP+, LC
DS-SFP-FC64G-LW	64 Gbps Fibre Channel LW SFP+, Optic