H3C S6850 Series

Data Center Switches

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New H3C Technologies Co., Limited

H3C S6850 Series Data Center Switches

Product overview

H3C S6850 high-density intelligent switch series is developed for data centers and cloud computing networks. It provides powerful hardware forwarding capacity and abundant data center features. It provides up to 48*25G ports and 8*100G ports. The switch supports modular power modules and fan trays. By using different fan trays, the switch can provide field-changeable airflows.
The switch is an ideal product for high-density 25GE switching and aggregation at data centers and cloud computing networks. It can also operate as a TOR access switch on an overlay or integrated network.

Product Appearance

The S6850 series come in the following models.

- LS-6850-56HF: The switch provides 48 × 25G SFP28 ports, 8 × 100G QSFP28 ports, and 2 × 1G SFP ports

LS-S6850-56HF front panel

LS- S6850-56HF rear panel

- LS-6850-56H-H3: The switch provides 48 × 25G SFP28 ports, 8 × 100G QSFP28 ports.

LS-S6850-56HF-H3 front panel

LS-S6850-56HF-H3 rear panel

- LS-S6850-2C: The switch provides 2 service slots, 2 × 100G QSFP28 ports

LS-S6850-2C front panel

LS- S6850-2C rear panel

Features and Benefits

High-Density 25GE Access

- The switch offers high-density 100G/40G/25G/10G ports and a wire-speed forwarding capacity as high as 4 Tbps. With standard 25G ports, it can provide high-density server access in high-end data centers.

IRF2 (Second Generation Intelligent Resilience Architecture)

- Facing the application requirements of the unified switching architecture of the data center, the series switches support the IRF2 technology, which virtualizes multiple devices into one logical.
- The equipment has strong advantages in scalability, reliability, distributed and availability.
- IRF2 not only can achieve a long-distance intelligent elastic architecture within a rack, across racks, and even across regions.

Abundant Data Center Features

The switch supports abundant data center features, including:

- H3C S6850 switch series supports VXLAN (Virtual Extensible LAN), which provides two major benefits, higher scalability of Layer 2 segmentation and better utilization of available network paths.
- H3C S6850 switch series supports MP-BGP EVPN (Multiprotocol Border Gateway Protocol Ethernet Virtual Private Network) which can run as VXLAN control plane to simplify VXLAN configuration, eliminate traffic flooding and reduce full mesh requirements between VTEPs via the introduction of BGP RR.
- H3C S6850 switch series support Fiber Channel over Ethernet (FCoE), which permits storage, data, and computing services to be transmitted on one network, reducing the costs of network construction and maintenance.
- H3C S6850 switch series support Priority-based Flow Control (PFC), Enhanced Transmission Selection (ETS) and Data Center Bridging eXchange (DCBX). These features ensure low latency and zero packet loss for FC storage, RDMA applications and high-speed computing services.

H3C Distributed Resilient Network Interconnection (DRNI)

- H3C S6850 switch series support DRNI(M-LAG), which enables links of multiple switches to aggregate into one to implement device-level link backup. DRNI is applicable to servers dual-homed to a pair of access devices for node redundancy.
- Streamlined topology: DRNI simplifies the network topology and spanning tree configuration by virtualizing two physical devices into one logical device.
- Independent upgrading: The DR member devices can be upgraded independently one by one to minimize the impact on traffic forwarding.
- High availability: The DR system uses a keepalive link to detect multi-active collision to ensure that only one member device forwards traffic after a DR system splits.

Powerful Visibility

With the rapid development of data center, the scale of the data center expands rapidly; reliability, operation and maintenance become the bottleneck of data center for further expansion. H3C S6850 switch series conform to the trend of automated data operation and maintenance, and support visualization of data center.

- INT (Inband-Telemetry) is a network monitoring technology used to collect data from the device. Compared with the traditional network monitoring technology featuring one query, one reporting, INT requires only one-time configuration for continuous data reporting, thereby reducing the request processing load of the device. INT can collect timestamp information, device ID, port information, and buffer information in real time. INT can be implemented in IP, EVPN, and VXLAN networks.
- Provides a variety of traffic monitoring and analytic tools, including sFlow, NetStream, SPAN/RSPAN/ERSPAN mirroring, and port mirroring to help customers perform precise traffic analysis and gain visibility into network application traffic. With these tools, customers can collect network traffic data to evaluate network health status, create traffic analysis reports, perform traffic engineering, and optimize resource allocation.
- Supports realtime monitoring of buffer and port queues, allowing for visible and dynamic network optimization.
- Supports PTP (Precision Time Protocol) to achieve highly precise clock synchronization.

RoCE (RDMA over Converged Ethernet)

- Remote Direct Memory Access (RDMA) directly transmits the user application data to the storage space of the servers, and uses the network to fast transmit the data from the local system to the storage of the remote system. RDMA eliminates multiple data copying and context switching operations during the transmission process, and reduces the CPU load.
- RoCE supports RDMA on standard Ethernet infrastructures. H3C S6850 switch support RoCE and can be used to build a lossless Ethernet network to ensure zero packet loss.
- RoCE include the following key features，include PFC(Priority based Flow Control), ECN(Explicit Congestion Notification), DCBX(Data Center Bridging Capability Exchange Protocol), ETS(Enhanced Transmission Selection).

Flexible programmability

- The switch uses industry-leading programmable switching chips that allow users to define the forwarding logic as needed.
- Users can develop new features that meet the evolving trend of their networks through simple software updates.

Powerful SDN capacity

- H3C S6850 switch series adopt the next-generation chip with more flexible Openflow FlowTable, more resources and accurate ACL matching, which greatly improves the software-defined network (SDN) capabilities and meet the demand of data center SDN network.
- H3C S6850 switch series can interconnect with H3C SeerEngine-DC Controller through standard protocols such as OVSDB, Netconf and SNMP to implement network automatic deployment and configuration.

Comprehensive security control policies

- H3C S6850 series switch supports AAA, RADIUS and user account based authentication, IP, MAC, VLAN, port-based user identification, dynamic and static binding; when working with the H3C iMC platform, it can conduct real time management, instant diagnosis and crackdown on illicit network behavior.
- H3C S6850 series switch supports enhanced ACL control logic, which enables an enormous amount of

inbound and outbound ACL, and delegate VLAN based ACL. This simplifies user deployment process and avoids ACL resource wastage. S6850 series switch can also take advantage of Unicast Reverse Path Forwarding (Unicast RFP). When the device receives a packet, it will perform the reverse check to verify the source address from which the packets are supposedly originated, and will drop the packet if such path doesn’ t exist. This can effectively prevent the source address spoofing in the network.

Multiple reliability protection

- The S6850 series switch provides multiple reliability protection at both switch and link levels. With over current, overvoltage, and overheat protection, all models have a redundant pluggable power module, which enables flexible configuration of AC or DC power modules based on actual needs. The entire switch supports fault detection and alarm for power supply and fan, allowing fan speed to change to suit different ambient temperatures.
- The switch supports diverse link redundancy technologies such as H3C proprietary RRPP, VRRPE, and Smart Link. These technologies ensure quick network convergence even when large amount of traffic of multiple services runs on the network.
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Flexible choice of airflow

- To cope with data center cooling aisle design, the H3C S6850 series switch comes with flexible airflow design, which features bi-cooling aisles in the front and back. Users may also choose the direction of airflow (from front to back or vice versa) by selecting a different fan tray.

Excellent manageability

The switch improves system management through the following ways:

- Provides multiple management interfaces, including the serial console port, mini USB console port, USB port, two out-of-band management ports, and two SFP ports. The SFP ports can be used as in-band management port through which encapsulated sampling packets are sent to the controller or other management devices for deep analysis.
- Supports multiple access methods, including SNMPv1/v2c/v3, Telnet, SSH 2.0, SSL, and FTP.
- Supports standard NETCONF APIs that allow users to configure and manage the switch, enhancing the compatibility with third-party applications.

Product Specifications

Hardware Specification

Item	S6850-56HF	S6850-56HF	S6850-2C
PID	**LS-6850-56HF**	**LS-6850-56HF-H3**	**LS-6850-2C**
Dimensions (H × W × D)	43.6 × 440 × 460 mm (1.72 × 17.32 × 18.11 in)	Without package: 44 × 440 × 400 mm (1.73 × 17.32 × 15.75 in)	44.2 × 440 × 660 mm (1.74 × 17.32 × 18.11 in)

		With package: 150 × 658 × 556 mm (5.91 × 25.91 × 21.89 in)	
Weight	≤ 15 kg (33.07 lb)	≤ 10 kg (22.05 lb)	≤ 16 kg (35.27 lb)
Serial console port	1	1	1
Out-of-band management port	One GE copper port and one GE fiber port	1 × copper management Ethernet port	One GE copper port and one GE fiber port
Mini USB console port	1	-	1
USB port	1	1	1
QSFP28 port	8	8	2
SFP28 port	48	48	-
SFP port	2	-	-
Expansion slot	-	-	2
CPU	2.4GHz@4Core	2.2GHz@4Core	2.2GHz@4Core
Flash/SDRAM	4GB/8GB	4GB/8GB	4GB/8GB
Latency	<1μs	<1μs	<1μs
Switching capacity	4 Tbps	4 Tbps	3.6Tbps
Forwarding capacity	2024 Mpps	2024 Mpps	2024 Mpps
Buffer(byte)	32M	32M	32M
AC-input voltage	90v AC to 264v AC	90v AC to 264v AC	90v AC to 264v AC
DC-input voltage	–40v DC to –72v DC	190v DC to 310v DC	–40v DC to –72v DC
Power module slot	2	2	2
Fan tray slot	5 Hot-swappable fan, fan speed adjustable and wind invertible	4 Hot-swappable fan, fan speed adjustable and wind invertible	5 Hot-swappable fan, fan speed adjustable and wind invertible
Air flow direction	From front to rear or from rear to front	From front to rear or from rear to front	From front to rear or from rear to front
Typical power consumption (Fully configured with copper cables, at 50% load)	Single AC input: 201 W Dual AC inputs: 224 W Single DC input: 198 W Dual DC inputs: 210 W	Single AC input: 143 W Dual AC inputs: 150 W	With two LSWM18CQ modules: 282 W With two LSWM18CQMSEC modules: 326 W With two LSWM116Q modules: 260 W With two LSWM18QC modules: 230 W With two LSWM124XG2Q modules: 286 W With two LSWM124XGT2Q modules: 348 W With two LSWM124XG2QFC modules: 286 W With two LSWM124XG2QL modules: 242 W With two LSWM124TG2H modules: 282 W With two LSWM116FC modules: 260 W
Maximum power consumption	Single AC input: 405 W Dual AC inputs: 413 W	Single AC input: 424 W	With two LSWM18CQ modules: 421 W

(Fully configured with transceiver modules, at 100% load)	Single DC input: 400 W Dual DC inputs: 408 W	Dual AC inputs: 429 W	With two LSWM18CQMSEC modules: 451 W With two LSWM116Q modules: 385 W With two LSWM18QC modules: 325 W With two LSWM124XG2Q modules: 385 W With two LSWM124XGT2Q modules: 511 W With two LSWM124XG2QFC modules: 385 W With two LSWM124XG2QL modules: 337 W With two LSWM124TG2H modules: 421 W With two LSWM116FC modules: 385 W
Maximum thermal consumption	Single AC input: 1382 BTU/hr Dual AC inputs: 1409 BTU/hr Single DC input: 1365 BTU/hr Dual DC inputs: 1392 BTU/hr	1464 BTU/hr	With two LSWM18CQ modules: 1436 BTU/hr With two LSWM18CQMSEC modules: 1539 BTU/hr With two LSWM116Q modules: 1314 BTU/hr With two LSWM18QC modules: 1109 BTU/hr With two LSWM124XG2Q modules: 1314 BTU/hr With two LSWM124XGT2Q modules: 1744 BTU/hr With two LSWM124XG2QFC modules: 1314 BTU/hr With two LSWM124XG2QL modules: 1150 BTU/hr With two LSWM124TG2H modules: 1436 With two LSWM116FC modules: 1314 BTU/hr
Operating temperature		0-45 ℃(32°F to 113°F)	
Operating humidity		5% to 95%, noncondensing	
MTBF(year)	33.2	78.7	34
MTTR(hour)	1	0.5	1

Software Specification

Item	Feature description
Device Virtualization	IRF2.0
	M-LAG(DRNI)
	S-MLAG
Network Virtualization	BGP-EVPN
	VxLAN
	EVPN ES
VxLAN	L2 VxLAN gateway

Item	Feature description
VxLAN	L3 VxLAN gateway
	Distributed VxLAN gateway
	Centralized VxLAN gateway
	EVPN VxLAN
	manual configured VxLAN
	IPv4 VxLAN tunnel
	IPv6 VxLAN tunnel
	QinQ VxLAN access
SDN	H3C SeerEngine-DC
Lossless network	PFC and ECN
	DCBX
	RDMA and ROCE
	PFC deadlock watchdog
	ECN overlay
	ROCE stream analysis
Programmability	Openflow1.3
	Netconf
	Ansible
	Python//TCL/Restful API to realize DevOps automated operation and maintenance
Traffic analysis	Sflow
	Netstream, only S6850-2C
VLAN	Port-based VLANs
	Mac-based VLAN ,Subnet-based VLAN and Protocol VLAN
	VLAN mapping
	QinQ
	MVRP(Multiple VLAN Registration Protocol)
	Super VLAN
	PVLAN
MAC address	Dynamic learning and aging of mac address entries
	Dynamic,static and blackhole entries
	Mac address limiting on ports
IPv4 routing	RIP(Routing Information Protocol) v1/2
	OSPF (Open Shortest Path First) v1/v2
	ISIS(Intermediate System to Intermediate system)
	BGP (Border Gateway Protocol)
	Routing policy
	VRRP
	PBR
IPv6 routing	RIPng
	OSPFv3
	IPv6 ISIS
	BGP4+
	Routing policy
	VRRP
	PBR

Item	Feature description
MPLS/VPLS	Support L3 MPLS VPN
	Support L2 VPN: VLL (Martini, Kompella)
	Support VPLS, VLL
	Support hierarchical VPLS and QinQ+VPLS access
	Support P/PE function
	Support LDP protocol
MPLS/VPLS	Support MCE
	Support MPLS OAM
Multicast	IGMP snooping
	MLD snooping
	IPv4 and IPv6 multicast VLAN
	IPv4 and IPv6 PIM snooping
	IGMP and MLD
	PIM and IPv6 PIM
	MSDP
	Multicast VPN
Reliability	LACP
	STP/RSTP/MSTP protocol, PVST compatible
	STP Root Guard and BPDU Guard
	RRPP and ERPS
	Ethernet OAM
	Smartlink
	DLDP
	BFD for OSPF/OSPFv3, BGP/BGP4, IS-IS/IS-ISv6, PIM/IPM for IPv6 and Static route
	VRRP and VRRPE
QOS	Weighted Random Early Detection (WRED) and tail drop
	Flexible queue scheduling algorithms based on port and queue, including strict priority (SP), Weighted Deficit Round Robin (WDRR), Weighted Fair Queuing (WFQ), SP + WDRR, and SP + WFQ.
	Traffic shaping
	Packet filtering at L2 (Layer 2) through L4 (Layer 4); flow classification based on source MAC address, destination MAC address, source IP (IPv4/IPv6) address, destination IP (IPv4/IPv6) address, port, protocol, and VLAN to apply qos policy,including mirroring,redirection,priority remark etc.
	Committed access rate (CAR)
	Account by packet and byte
	COPP
FC/FOCE	FC, FC subcard is supported on S6850-2C
	FCOE
Telemetry	gRPC
	ERSPAN
	Mirror on drop
	Telemetry Stream
	INT
	iNQA
	Packet trace, Packet capture
Configuration and maintenance	Console telnet and SSH terminals

Item	Feature description
	SNMPv1/v2/v3
	ZTP
	System log
	File upload and download via FTP/TFTP, BootRom update and remote update
	NQA
	ping,tracert
Configuration and maintenance	VxLAN ping and VxLAN tracert
	NTP
	PTP(1588v2)
	GIR Graceful Insertion and Removal
Security and management	Macsec, Macsec subcard is supported on S6850-2C and only 100G macsec subcard can support 256-bit AES encryption
	Micro-Segmentation
	Hierarchical management and password protection of users
	Authentication methods,including AAA,RADIUS and HWTACACS
	Support DDos, ARP attack and ICMP attack function
	IP-MAC-port binding and IP Source Guard
	SSH 2.0
	HTTPS
	SSL
	PKI
	Boot ROM access control (password recovery)
	RMON
EMC	FCC Part 15 Subpart B CLASS A ICES-003 CLASS A VCCI CLASS A CISPR 32 CLASS A EN 55032 CLASS A AS/NZS CISPR32 CLASS A CISPR 24 EN 55024 EN 61000-3-2 EN 61000-3-3 ETSI EN 300 386 GB/T 9254 YD/T 993
IEEE Standard	802.3x/802.3ad/802.3AH/802.1P/802.1Q/802.1X/802.1D/802.1w/802.1s/802.1AG 802.1x/802.1Qbb/802.1az/802.1Qaz
Safety	UL 60950-1 CAN/CSA C22.2 No 60950-1 IEC 60950-1 EN 60950-1 AS/NZS 60950-1 FDA 21 CFR Subchapter J GB 4943.1

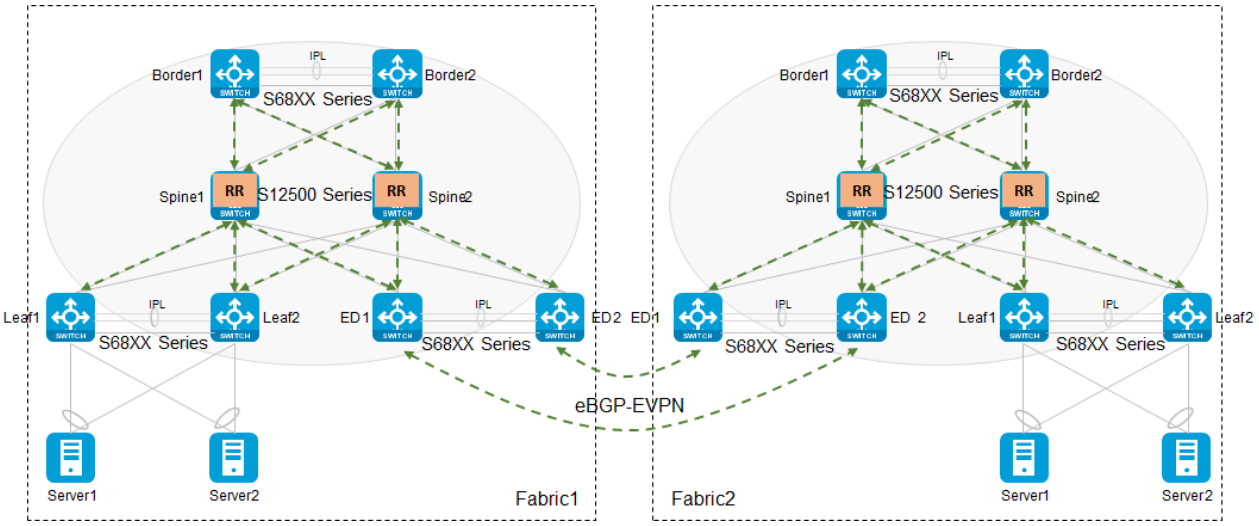
Performance and scalability

Item	Description	
Virtualization	IRF2.0 stack	9
	M-LAG device number	2
	ED group	8
ACL	max number of ingress ACL	18K/pipe, total 2 pipes
	max number of ingress Car	2304/pipe, total 2 pipes
	max number of ingress Counter	10752/pipe, total 2 pipes
	max number of egress ACL	2048
	max number of egress Car	1K
	max number of egress Counter	1K
Forwarding table	Jumbo frame length(byte)	9416
	Mirroring group	4
	PBR policy	1000
	PBR node	256
	max number of MAC per switch	288K max
	max number of ARP entries IPv4	272K max
	max ND table size for IPv6	136K max
	max number of unicast routes IPv4	324K max
	max number of unicast routes IPv6	162K max
	IPv4 l2 multicast group	4000
	IPv4 l3 multicast group	4000
	IPv4 multicast routing	128K
	IPv6 l2 multicast group	4000
	IPv6 l3 multicast group	4000
	IPv6 multicast routing	64K
	LAGG group	1024
	LAGG member per group	256
	ECMP group	max 4K
	ECMP member per group	2-128
	VRF	4095
Interface	Loopback interface number	1K
	L3 sub interface number	2500
	SVI interface number	4K
	VxLAN AC number	16K
	VxLAN VSI number	16K
	VxLAN tunnel number	2K
	VSI interface number	8K
	IPv4 tunnel number	2K
	IPv6 tunnel number	2K
	VLAN number	4094
Performance	RIB	1M
	MSTP instance	64
	PVST instance	510
	PVST logical port number	2000
	VRRP VRID	255
	VRRP group	256

Item	Description	
	NQA group	32
Static table	static mac-address	4000
	static multicast mac-address	1K
	static ARP	1K
	static ND	4K
Static table	static IPv4 routing table	4K
	static IPv6 routing table	2K

Data Center Application

The typical data center application is an EVPN-VxLAN design,S12500G-AF or S12500X-AF switches work as spine or spine/border, S68XX series work as leaf and border or ED. From this design, the usres can get a non-blocking large L2 system.



Order information

PID	Description
LS-6850-56HF	H3C S6850-56HF L3 Ethernet Switch with 48 SFP28 Ports and 8 QSFP28 Ports
LS-6850-56HF-H3	H3C S6850-56HF L3 Ethernet Switch with 48 SFP28 Ports and 8 QSFP28 Ports
LS-6850-2C	H3C S6850-2C L3 Ethernet Switch with 2*QSFP28 Ports and 2*Interface Module Slots
Power	
LSVM1AC650	650W AC Power Supply Module
SW-A-PSR550-12A-B	550W AC Power Supply Module(Power Panel Side Exhaust Airflow)(Platinum)
LSVM1DC650	650W DC Power Supply Module
Fan	
LSWM1FANSAB	Fan Module (SW, 4056, DC, Air Inlets in Panel)
FAN-40B-1-D	H3C Fan Module(4056,Air Outlets in Fan Tray Panel)
LSWM1FANSA	Fan Module (SW, 4056, DC, Air Inlets in Panel)
Module	

LSWM18QC	8-Port QSFP Plus Interface Card
LSWM124XG2Q	24-Port SFP Plus and 2-Port QSFP Plus Interface Card with MACSec
LSWM124XGT2Q	24-Port 10GBASE-T and 2-Port QSFP Plus Interface Card with MACSec
LSWM124XG2QL	24-Port SFP Plus and 2-Port QSFP Plus Interface Card
LSWM124XG2QFC	24 Ports SFP Plus and 2 Ports QSFP Plus Interface Card with FC
LSWM18CQ	H3C 8-Port 100G Ethernet Optical Interface Module(QSFP28)
LSWM116Q	H3C 16-Port 40G Ethernet Optical Interface Module(QSFP Plus)
LSWM124TG2H	H3C 24-Port 25G Ethernet Optical Interface (SFP28) and 2-Port 100G Ethernet Optical Interface (QSFP28) Module
LSWM18CQMSEC	H3C 8-Port 100G MACSEC Ethernet Optical Interface Module(QSFP28)
Transceiver	
SFP-GE-LH80-SM1550	1000BASE-LH80 SFP Transceiver, Single Mode (1550nm, 80km, LC)
SFP-FE-LX-SM1310-A	100BASE-LX SFP Transceiver, Single Mode (1310nm, 15km, LC)
SFP-FE-SX-MM1310-A	100BASE-FX SFP Transceiver, Multi-Mode (1310nm, 2km, LC)
SFP-FE-LH40-SM1310	100BASE-LH40 SFP Transceiver, Single Mode (1310nm, 40km, LC)
SFP-GE-LX-SM1310-A	1000BASE-LX SFP Transceiver, Single Mode (1310nm, 10km, LC)
SFP-GE-LH40-SM1310	1000BASE-LH40 SFP Transceiver, Single Mode (1310nm, 40km, LC)
SFP-GE-LH40-SM1550	1000BASE-LH40 SFP Transceiver, Single Mode (1550nm, 40km, LC)
SFP-GE-SX-MM850-A	1000BASE-SX SFP Transceiver, Multi-Mode (850nm, 550m, LC)
SFP-GE-T	SFP GE Copper Interface Transceiver Module (100m,RJ45)
QSFP-100G-LR4-WDM1300	100G QSFP28 Optical Transceiver Module(1310nm,10km,LR4,WDM,LC)
QSFP-100G-LR4L-WDM1300	100G QSFP28 Optical Transceiver Module (1310nm,2km,LR4L,CWDM4,LC)
QSFP-100G-PSM4-SM1310	100G QSFP28 Optical Transceiver Module (1310nm,500m,PSM4,MPO/APC)
QSFP-100G-SR4-MM850	100G QSFP28 Optical Transceiver Module (850nm,100m OM4,SR4,MPO)
QSFP-100G-LR4L-WDM1300	100G QSFP28 Optical Transceiver Module (1310nm,2km,LR4L,CWDM4,LC)
QSFP-100G-LR4-WDM1300	100G QSFP28 Optical Transceiver Module(1310nm,10km,LR4,WDM,LC)
QSFP-40G-LR4-WDM1300	QSFP+ 40GBASE Optical Transceiver Module (1310nm,10km,LR4,LC)
QSFP-40G-BIDI-SR-MM850	QSFP+ 40GBASE BIDI Optical Transceiver Module (850nm,100m,SR)
QSFP-40G-LR4L-WDM1300	QSFP+ 40GBASE Optical Transceiver Module (1310nm,2km,LR4L,LC)
QSFP-40G-LR4-PSM1310	QSFP+ 40GBASE Optical Transceiver Module (1310nm,10km,MPO/APC,LR4,Parallel Single Mode)
QSFP-40G-SR4-MM850	QSFP+ 40GBASE Optical Transceiver Module (850nm,100m,SR4,Support 40G to 4*10G)
QSFP-40G-CSR4-MM850	QSFP+ 40GBASE Optical Transceiver Module (850nm,300m,CSR4,Support 40G to 4*10G)
SFP-25G-SR-MM850	25G SFP28 Optical Transceiver Module (850nm,100m,SR,MM,LC)
Cable	
QSFP-100G-D-AOC-10M	100G QSFP28 to 100G QSFP28 10m Active Optical Cable
QSFP-100G-D-CAB-1M	100G QSFP28 to 100G QSFP28 1m Passive Cable
QSFP-100G-D-AOC-20M	100G QSFP28 to 100G QSFP28 20m Active Optical Cable
QSFP-100G-D-CAB-3M	100G QSFP28 to 100G QSFP28 3m Passive Cable
QSFP-100G-D-CAB-5M	100G QSFP28 to 100G QSFP28 5m Passive Cable
QSFP-100G-D-AOC-7M	100G QSFP28 to 100G QSFP28 7m Active Optical Cable
QSFP-100G-4SFP-25G-CAB-1M	100G QSFP28 to 4x25G SFP28 1m Passive Cable
QSFP-100G-4SFP-25G-CAB-3M	100G QSFP28 to 4x25G SFP28 3m Passive Cable
QSFP-100G-4SFP-25G-CAB-5M	100G QSFP28 to 4x25G SFP28 5m Passive Cable
LSWM1QSTK0	40G QSFP+ Cable 1m
LSWM1QSTK1	40G QSFP+ Cable 3m

LSWM1QSTK2	40G QSFP+ Cable 5m
QSFP-40G-D-AOC-10M	40G QSFP+ to 40G QSFP+ 10m Active Optical Cable
QSFP-40G-D-AOC-20M	40G QSFP+ to 40G QSFP+ 20m Active Optical Cable
QSFP-40G-D-AOC-7M	40G QSFP+ to 40G QSFP+ 7m Active Optical Cable
LSWM1QSTK3	40G QSFP+ to 4x10G SFP+ Cable 1m
LSWM1QSTK4	40G QSFP+ to 4x10G SFP+ Cable 3m
LSWM1QSTK5	40G QSFP+ to 4x10G SFP+ Cable 5m
SFP-25G-D-CAB-1M	25G SFP28 to 25G SFP28 1m Passive Cable
SFP-25G-D-CAB-3M	25G SFP28 to 25G SFP28 3m Passive Cable
SFP-25G-D-CAB-5M	25G SFP28 to 25G SFP28 5m Passive Cable
SFP-25G-D-AOC-3M	25G SFP28 to 25G SFP28 3m Active Optical Cable
SFP-25G-D-AOC-5M	25G SFP28 to 25G SFP28 5m Active Optical Cable
SFP-25G-D-AOC-7M	25G SFP28 to 25G SFP28 7m Active Optical Cable
SFP-25G-D-AOC-10M	25G SFP28 to 25G SFP28 10m Active Optical Cable
SFP-25G-D-AOC-20M	25G SFP28 to 25G SFP28 20m Active Optical Cable

Document history

Description	Location	Date
Added information about new product (S6850-56HF-H3).	Hardware Specification Order information	January.5th , 2024

The Leader in Digital Solutions

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PID

IRF stack

M-LAG device number

Desc