

Starlink

Enterprise Managed Switches

introduction



SC2112 series campus switches



Rich communication protocols

- Integrate rich Ethernet communication protocols such as switching, ring network protection and security.
- Support 802.1Q VLAN and 802.3x flow control protocols.
- Support STP/RSTP/MSTP, ERPS ring network protocol and other loop protection protocols

Support PoE power supply

- Support PoE/PoE+ power supply type
- Meet the requirements of wireless and monitoring scenarios.

Excellent management mechanism

- Support Console local configuration mode.
- Support Telnet, SSH and other remote configuration methods.
- Support SNMP V1, V2 and V3
- Support Telnet, SSH and other remote configuration methods.

Product specification

Specification	SC2112-8G2S	SC2112-8G2S-POE	SC2112-24G4S	SC2112-24G4S-POE
Exchange capacity	20Gbps	20Gbps	56Gbps	56Gbps
Packet forwarding rate	14.88Mpps	14.88Mpps	41.66Mpps	41.66Mpps
Overall dimensions (L x W x H)	266*160.8*44mm	330*220*44mm	440*260*44mm	440*260*44mm
Weight	≤1.0kg	≤3.0kg	≤5.0kg	≤5.0kg
Console port	1 RJ45 console	1 RJ45 console	1 RJ45 console	1 RJ45 console
Ethernet port for management	None	None	None	None
USB port	None	None	None	None
Description of service ports	8 × 100/1000Base-T ports 2 × 1GE SFP ports	8 × 100/1000Base-T ports (support POE+) 2 × 1GE SFP ports	24 × 100/1000Base-T ports 4 × 1GE SFP ports	24 × 100/1000Base-T ports (support POE+) 4 × 1GE SFP ports
Input voltage	AC:100~240Vac, 50/60Hz	DC:54Vdc	AC:100~240Vac DC:24~48Vdc	AC:100~240Vac, 50/60Hz
Power consumption (full load)	12W	132W(including PoE 120W)	30W	400W(including PoE 370W)
Operating environmental temperature	-5~45 °C	-5~45 °C	-5~45 °C	-5~45 °C
Relative humidity of operating environment (non-condensing)	5%~95%RH(no condensation)	5%~95%RH(no condensation)	5%~95%RH(no condensation)	5%~95%RH(no condensation)

SC3313 series campus switches



Rich communication protocols

- Integrate rich Ethernet communication protocols such as switching, routing, ring network protection and security.
- Support 802.1Q VLAN and 802.3x flow control protocols.
- Support loop protection protocols such as STP/RSTP/MSTP and loopback-detection.

Complete protection design

- Support a variety of link-level reliability guarantee technologies, as well as rapid ring network protection protocols such as ERPS, which can effectively guarantee the normal development of services.
- Support MLAG distributed cross-device aggregation, and bundle ports of different devices into a virtual logical port, which is more flexible and stable than the stacking scheme.

Excellent management mechanism

- Support Console local configuration mode.
- Support Telnet, SSH and other remote configuration methods.
- Support SNMP V1, V2 and V3

Product specification

Specification	SC3313-48G6XS	SC3313-48G6XS-POE
Exchange capacity	216Gbps	216Gbps
Packet forwarding rate	160.7Mpps	160.7Mpps
Overall dimensions (L x W x H)	440*320*44mm	440*320*44mm
Weight	≤6.0kg	≤6.0kg
Console port	1 RJ45 console	1 RJ45 console
Ethernet port for management	None	None
USB port	1 usb2.0 port	1 usb2.0 port
Description of service ports	48 × 100/1000Base-T ports 6 × 10GE SFP+ ports	48 × 100/1000Base-T ports (support POE+) 6 × 10GE SFP+ ports
Input voltage	AC:100~240Vac, 50/60Hz	AC:100~240Vac, 50/60Hz
Power consumption (static)	20W	25W
Power consumption (full load)	40W	835W (including PoE 790W)
Operating environmental temperature	-5~45°C	-5~45°C
Relative humidity of operating environment (non-condensing)	5%~95%RH(no condensation)	5%~95%RH(no condensation)

SC3321 series campus switches



Rich communication protocols

- Integrate rich Ethernet communication protocols such as switching, routing, ring network protection and security.
- Support 802.1Q VLAN and 802.3x flow control protocols.
- Support loop protection protocols such as STP/RSTP/MSTP and loopback-detection.

Complete protection design

- Support a variety of link-level reliability guarantee technologies, as well as rapid ring network protection protocols such as ERPS, which can effectively guarantee the normal development of services.
- Support MLAG distributed cross-device aggregation, and bundle ports of different devices into a virtual logical port, which is more flexible and stable than the stacking scheme.

Excellent management mechanism

- Support Console local configuration mode.
- Support Telnet, SSH and other remote configuration methods.
- Support SNMP V1, V2 and V3

Product specification

Specification	SC3321-48S4XS	SC3321-48G6XS	SC3321-28G8XS	SC3321-28S8XS
Exchange capacity	176Gbps	672Gbps/6.72Tbps	216Gbps	216Gbps
Packet forwarding rate	130.9Mpps	207Mpps/280Mpps	160.7Mpps	160.7Mpps
Overall dimensions (L x W x H)	440*360*44mm	440*260*44mm	440*260*44mm	440*260*44mm
Weight	≤4kg	≤4kg	≤4kg	≤4kg
Console port	1 RJ45 console	1 RJ45 console	1 RJ45 console	1 RJ45 console
Ethernet port for management	1 Gigabit management network port	1 Gigabit management network port	1 Gigabit management network port	1 Gigabit management network port
USB port	1 usb2.0 port	1 usb2.0 port	1 usb2.0 port	1 usb2.0 port
Description of service ports	48 × 1GE SFP ports 4 × 10GE SFP+ ports	48 × 100/1000Base-T ports 6 × 10GE SFP+ ports	28 × 100/1000Base-T ports 8 × 10GE SFP+ ports	28 × 1GE SFP ports (4 × 100/100Base-T ports Combo) 8 × 10GE SFP+ ports
Input voltage	AC:100~240Vac, 50/60Hz DC:-48~-60Vdc	AC:100~240Vac,50/60Hz	AC:100~240Vac,50/60Hz	AC:100~240Vac,50/60Hz
Power consumption (static)	AC power supply:27.5W DC power supply:36.1W	Single AC:26.3W Double AC:27.0W	Single AC:21.8W Double AC:22.6W	Single AC:23.8W Double AC:24.6W
Power consumption (full load)	AC power supply:74.4W DC power supply:114.5W	Single AC:59.7W Double AC:60.1W	Single AC:46.1W Double AC:46.3W	Single AC:63.0W Double AC:62.5W
Operating environmental temperature	-5~50°C	-5~50°C	-5~50°C	-5~50°C
Relative humidity of operating environment (non-condensing)	5%~95%RH(no condensation)	5%~95%RH(no condensation)	5%~95%RH(no condensation)	5%~95%RH(no condensation)

SC3321-POE series campus switches



Rich communication protocols

- Integrate rich Ethernet communication protocols such as switching, routing, ring network protection and security.
- Support 802.1Q VLAN and 802.3x flow control protocols.
- Support loop protection protocols such as STP/RSTP/MSTP and loopback-detection.

Complete protection design

- Support a variety of link-level reliability guarantee technologies, as well as rapid ring network protection protocols such as ERPS, which can effectively guarantee the normal development of services.
- Support MLAG distributed cross-device aggregation, and bundle ports of different devices into a virtual logical port, which is more flexible and stable than the stacking scheme.

Excellent management mechanism

- Support Console local configuration mode.
- Support Telnet, SSH and other remote configuration methods.
- Support SNMP V1, V2 and V3.

Product specification

Specification	SC3321-48G6XS-POE	SC3321-28G8XS-POE
Exchange capacity	216Gbps	216Gbps
Packet forwarding rate	160.7Mpps	160.7Mpps
Overall dimensions (L x W x H)	440*320*44mm	440*320*44mm
Weight	≤4kg	≤4kg
Console port	1 RJ45 console	1 RJ45 console
Ethernet port for management	1 Gigabit management network port	1 Gigabit management network port
USB port	1 usb2.0 port	1 usb2.0 port
Description of service ports	48 × 100/1000Base-T ports (support POE+) 6 × 10GE SFP+ ports	28 × 100/1000Base-T ports (support POE+) 8 × 10GE SFP+ ports
Input voltage	AC:100~240Vac, 50/60Hz	AC:100~240Vac, 50/60Hz
Power consumption (static)	Single AC: 34.8W	Single AC:27.5W
Power consumption (full load)	Single AC:497.4W (including PoE 370W)	Single AC:476.5W (including PoE 370W)
Operating environmental temperature	-5~50°C	-5~50°C
Relative humidity of operating environment (non-condensing)	5~95%RH(no condensation)	5~95%RH(no condensation)

SC3321-HI series campus switches



Rich communication protocols

- Integrate rich Ethernet communication protocols such as switching, routing, ring network protection and security.
- Support 802.1Q VLAN and 802.3x flow control protocols.
- Support loop protection protocols such as STP/RSTP/MSTP and loopback-detection.

Complete protection design

- Support a variety of link-level reliability guarantee technologies, as well as rapid ring network protection protocols such as ERPS, which can effectively guarantee the normal development of services.
- Support MLAG distributed cross-device aggregation, and bundle ports of different devices into a virtual logical port, which is more flexible and stable than the stacking scheme.

Excellent management mechanism

- Support Console local configuration mode.
- Support Telnet, SSH and other remote configuration methods.
- Support SNMP V1, V2 and V3

Product specification

Specification	SC3321-48G6XS-HI	SC3321-28G8XS-HI	SC3321-28S8XS-HI
Exchange capacity	216Gbps	216Gbps	216Gbps
Packet forwarding rate	160.7Mpps	160.7Mpps	160.7Mpps
Overall dimensions (L x W x H)	440*360*44mm	440*360*44mm	440*360*44mm
Weight	≤5kg	≤5kg	≤5kg
Console port	1 RJ45 console	1 RJ45 console	1 RJ45 console
Ethernet port for management	1 Gigabit management network port	1 Gigabit management network port	1 Gigabit management network port
USB port	1 usb2.0 port	1 usb2.0 port	1 usb2.0 port
Description of service ports	48 × 100/1000Base-T ports 6 × 10GE SFP+ ports	28 × 100/1000Base-T ports 8 × 10GE SFP+ ports	28 × 1GE SFP ports (4 × 100/100Base-T ports Combo) 8 × 10GE SFP+ ports
Input voltage	AC:100~240Vac,50/60Hz	AC:100~240Vac,50/60Hz	AC:100~240Vac,50/60Hz
Power consumption (static)	Single AC:26.3W Double AC:27.0W	Single AC:21.8W Double AC:22.6W	Single AC:23.8W Double AC:24.6W
Power consumption (full load)	Single AC:59.7W Double AC:60.1W	Single AC:46.1W Double AC:46.3W	Single AC:63.0W Double AC:62.5W
power	Pluggable dual power supply	Pluggable dual power supply	Pluggable dual power supply
Operating environmental temperature	-5~50°C	-5~50°C	-5~50°C
Relative humidity of operating environment (non-condensing)	5~95%RH(no condensation)	5~95%RH(no condensation)	5~95%RH(no condensation)

SC3321-POE-HI series campus switches



Rich communication protocols

- Integrate rich Ethernet communication protocols such as switching, routing, ring network protection and security.
- Support 802.1Q VLAN and 802.3x flow control protocols.
- Support loop protection protocols such as STP/RSTP/MSTP and loopback-detection.

Complete protection design

- Support a variety of link-level reliability guarantee technologies, as well as rapid ring network protection protocols such as ERPS, which can effectively guarantee the normal development of services.
- Support MLAG distributed cross-device aggregation, and bundle ports of different devices into a virtual logical port, which is more flexible and stable than the stacking scheme.

Excellent management mechanism

- Support Console local configuration mode.
- Support Telnet, SSH and other remote configuration methods.
- Support SNMP V1, V2 and V3

Product specification

Specification	SC3321-48G6XS-POE-HI	SC3321-28G8XS-POE-HI
Exchange capacity	216Gbps	216Gbps
Packet forwarding rate	160.7Mpps	160.7Mpps
Overall dimensions (L x W x H)	440*400*44mm	440*400*44mm
Weight	≤5.5kg	≤5.5kg
Console port	1 RJ45 console	1 RJ45 console
Ethernet port for management	1 Gigabit management network port	1 Gigabit management network port
USB port	1 usb2.0 port	1 usb2.0 port
Description of service ports	48 × 100/1000Base-T ports(support PoE+) 6 × 10GE SFP+ ports	28 × 100/1000Base-T ports(support PoE+) 8 × 10GE SFP+ ports
Input voltage	AC:100~240Vac,50/60Hz	AC:100~240Vac,50/60Hz
Power consumption (static)	Single AC:34.8W	Single AC:27.5W
Power consumption (full load)	Single AC:1500W (including PoE 1400W)	Single AC:820W (including PoE 720W)
power	Pluggable dual power supply	Pluggable dual power supply
Operating environmental temperature	-5~50°C	-5~50°C
Relative humidity of operating environment (non-condensing)	5~95%RH(no condensation)	5~95%RH(no condensation)

SC2331 series campus switches



Rich communication protocols

- Integrate rich Ethernet communication protocols such as switching, routing, ring network protection and security.
- Support 802.1Q VLAN and 802.3x flow control protocols.
- Support loop protection protocols such as STP/RSTP/MSTP and loopback-detection.

Complete protection design

- Support a variety of link-level reliability guarantee technologies, as well as rapid ring network protection protocols such as ERPS, which can effectively guarantee the normal development of services.
- Support MLAG distributed cross-device aggregation, and bundle ports of different devices into a virtual logical port, which is more flexible and stable than the stacking scheme.

Excellent management mechanism

- Support Console local configuration mode.
- Support Telnet, SSH and other remote configuration methods.
- Support SNMP V1, V2 and V3

Product specification

Specification	SC2331-24G4S	SC2331-48G4S
Exchange capacity	56Gbps	104Gbps
Packet forwarding rate	41.6Mpps	77.3Mpps
Overall dimensions (L × W × H)	440*160*44mm	440*260*44mm
Weight	≤4kg	≤4kg
Console port	1 RJ45 console	1 RJ45 console
Ethernet port for management	1 Gigabit management network port	1 Gigabit management network port
USB port	1 usb2.0 port	1 usb2.0 port
Description of service ports	24 × 100/1000Base-T ports 4 × 10GE SFP+ ports	48 × 100/1000Base-T ports 4 × 10GE SFP+ ports
Input voltage	AC:100~240Vac, 50/60Hz DC:190~290Vdc	AC:100~240Vac, 50/60Hz DC:190~290Vdc
Power consumption (static)	12W	12W
Power consumption (full load)	30W	50W
Operating environmental temperature	-5~50°C	-5~50°C
Relative humidity of operating environment (non-condensing)	5~95%RH(no condensation)	5~95%RH(no condensation)

SC3331 series campus switches



Rich communication protocols

- Integrate rich Ethernet communication protocols such as switching, routing, ring network protection and security.
- Support 802.1Q VLAN and 802.3x flow control protocols.
- Support loop protection protocols such as STP/RSTP/MSTP and loopback-detection.

Complete protection design

- Support a variety of link-level reliability guarantee technologies, as well as rapid ring network protection protocols such as ERPS, which can effectively guarantee the normal development of services.
- Support MLAG distributed cross-device aggregation, and bundle ports of different devices into a virtual logical port, which is more flexible and stable than the stacking scheme.

Excellent management mechanism

- Support Console local configuration mode.
- Support Telnet, SSH and other remote configuration methods.
- Support SNMP V1, V2 and V3

Product specification

Specification	SC3331-16G4XS	SC3331-24G4XS	SC3331-48G4XS
Exchange capacity	112Gbps	128Gbps	176Gbps
Packet forwarding rate	83.3Mpps	95.2Mpps	130.9Mpps
Overall dimensions (L × W × H)	440*160*44mm	440*160*44mm	440*260*44mm
Weight	≤4kg	≤4kg	≤4kg
Console port	1 RJ45 console	1 RJ45 console	1 RJ45 console
Ethernet port for management	1 Gigabit management network port	1 Gigabit management network port	1 Gigabit management network port
USB port	1 usb2.0 port	1 usb2.0 port	1 usb2.0 port
Description of service ports	16 × 100/1000Base-T ports 4 × 10GE SFP+ ports	24 × 100/1000Base-T ports 4 × 10GE SFP+ ports	48 × 100/1000Base-T ports 4 × 10GE SFP+ ports
Input voltage	AC:100~240Vac, 50/60Hz DC:190~290Vdc	AC:100~240Vac, 50/60Hz DC:190~290Vdc	AC:100~240Vac, 50/60Hz DC:190~290Vdc
Power consumption (static)	12W	12W	20W
Power consumption (full load)	27W	31W	50W
Operating environmental temperature	-5~50°C	-5~50°C	-5~50°C
Relative humidity of operating environment (non-condensing)	5~95%RH(no condensation)	5~95%RH(no condensation)	5~95%RH(no condensation)

SC3331-POE series campus switches



Rich communication protocols

- Integrate rich Ethernet communication protocols such as switching, routing, ring network protection and security.
- Support 802.1Q VLAN and 802.3x flow control protocols.
- Support loop protection protocols such as STP/RSTP/MSTP and loopback-detection.

Complete protection design

- Support a variety of link-level reliability guarantee technologies, as well as rapid ring network protection protocols such as ERPS, which can effectively guarantee the normal development of services.
- Support MLAG distributed cross-device aggregation, and bundle ports of different devices into a virtual logical port, which is more flexible and stable than the stacking scheme.

Excellent management mechanism

- Support Console local configuration mode.
- Support Telnet, SSH and other remote configuration methods.
- Support SNMP V1, V2 and V3

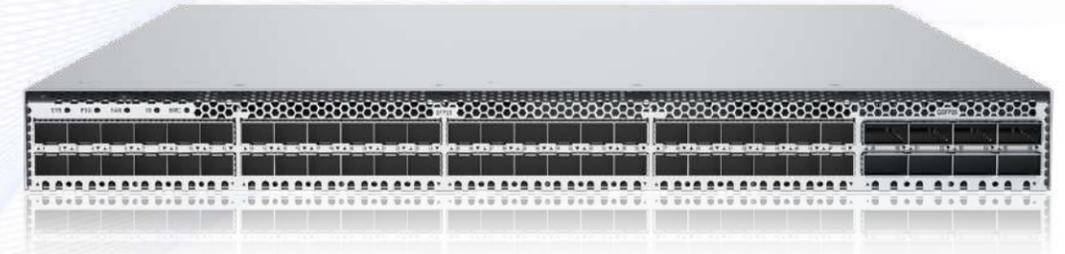
Product specification

Specification	SC3331-24G4XS-POE	SC3331-48G4XS-POE
Exchange capacity	128Gbps	176Gbps
Packet forwarding rate	95.2Mpps	130.9Mpps
Overall dimensions (L × W × H)	440*260*44mm	440*260*44mm
Weight	≤4kg	≤4kg
Console port	1 RJ45 console	1 RJ45 console
Ethernet port for management	1 Gigabit management network port	1 Gigabit management network port
USB port	1 usb2.0 port	1 usb2.0 port
Description of service ports	24 × 100/1000Base-T ports (support POE+) 4 × 10GE SFP+ ports	48 × 100/1000Base-T ports (support POE+) 4 × 10GE SFP+ ports
Input voltage	AC:100~240Vac, 50/60Hz DC:190~290Vdc	AC:100~240Vac, 50/60Hz DC:190~290Vdc
Power consumption (full load)	290.8W (including PoE 250W)	462.4W (including PoE 400W)
Operating environmental temperature	-5~50°C	-5~50°C
Relative humidity of operating environment (non-condensing)	5%~95%RH(no condensation)	5%~95%RH(no condensation)





SD6881 series switches in data center



Mature and reliable

- Choose mature chips from international mainstream manufacturers, with high reliability
- 4+1 redundancy design, front and rear air duct design

Support lossless network characteristics

- Support the lossless Ethernet characteristics such as PFC and ECN of RDMA
- Support PFC deadlock detection
- Support congestion avoidance mechanisms such as WRED and tail drop

Support data center characteristics

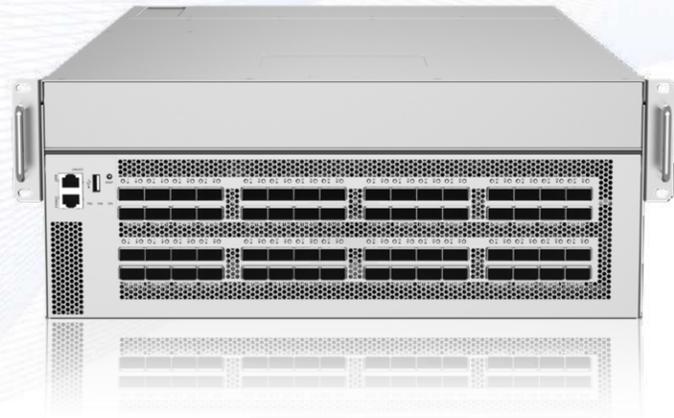
- Support Mclag
- Support vxlan

Product specification

Specification	SD6881-48XS8H	SD6881-48Y8H	SD6881-32H
Exchange capacity	2.56Tbps	4.0Tbps	6.4Tbps
Packet forwarding rate	1920Mpps	3000Mpps	4800Mpps
Overall dimensions (L × W × H)	442*550*44mm	442*550*44mm	442*550*44mm
Weight	<15kg	<15kg	<15kg
Console port	1 RJ45 console	1 RJ45 console	1 RJ45 console
Ethernet port for management	1 Gigabit management network port	1 Gigabit management network port	1 Gigabit management network port
USB port	1 usb2.0 port	1 usb2.0 port	1 usb2.0 port
Description of service ports	48 × 10GE ports 8 × 100G ports	48×25G ports 8 × 100G ports	32 × 100G ports
Input voltage	AC:100~240Vac, 50/60Hz DC:100~370Vdc	AC:100~240Vac, 50/60Hz DC:100~370Vdc	AC:100~240Vac, 50/60Hz
Power consumption (static)	<200W	<200W	<200W
Power consumption (full load)	<550W	<550W	<550W
Operating environmental temperature	0~40°C	0~40°C	0~40°C
Relative humidity of operating environment (non-condensing)	5%~95%RH(no condensation)	5%~95%RH(no condensation)	5%~95%RH(no condensation)



SD8881/8882 series switches in data center



High performance and high reliability design

- High density 400 G switch, port line speed
- n + 1 redundancy design of fan power supply
- Design of independent air duct for power supply

Support lossless network characteristics

- Support the lossless Ethernet characteristics such as PFC and ECN of RDMA
- Support PFC deadlock detection
- Support congestion avoidance mechanisms such as WRED and tail drop

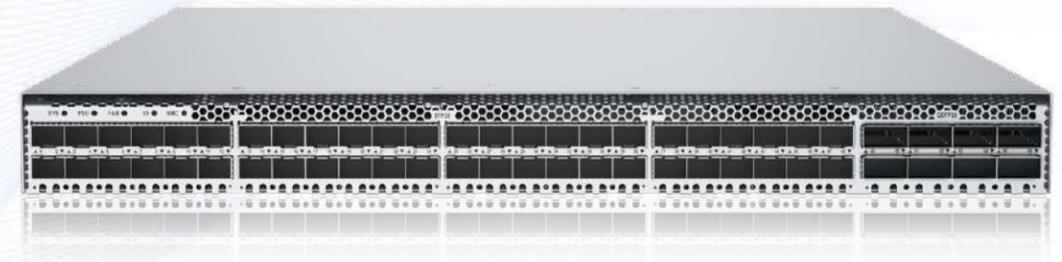
Support data center characteristics

- Support Mclag
- Support vxlan

Product specification

Specification	SD8881-48H8D	SD8882-8C	SD8882-64D
Exchange capacity	16.0Tbps	25.6Tbps	51.2Tbps
Packet forwarding rate	12000Mpps	19200Mpps	38400Mpps
Overall dimensions (L × W × H)	442*550*44mm	442*800*175mm	442*760*175mm
Weight	<15kg	<60kg	<60kg
Console port	1 RJ45 console	1 RJ45 console	1 RJ45 console
Ethernet port for management	1 Gigabit management network port	1 Gigabit management network port	1 Gigabit management network port
USB port	1 usb2.0 port	1 usb2.0 port	1 usb2.0 port
Description of service ports	48 × 100G ports 8×400G ports	8 slot	64 × 400G ports
Input voltage	AC:100~240Vac, 50/60Hz DC:100~370Vdc	AC:100~240Vac,50/60Hz DC:100~370Vdc	AC:100~240Vac,50/60Hz DC:100~370Vdc
Power consumption (static)	<250W	<350W	<350W
Power consumption (full load)	<1300W	<2600W	<2600W
Operating environmental temperature	0~40°C	0~40°C	0~40°C
Relative humidity of operating environment (non-condensing)	5%~95%RH(no condensation)	5%~95%RH(no condensation)	5%~95%RH(no condensation)

SD6721 series switches in data center



Mature and reliable

- Choose mature chips from domestic mainstream manufacturers, with high reliability
- 4+1 redundancy design, front and rear air duct design

Support lossless network characteristics

- Support the lossless Ethernet characteristics such as PFC and ECN of RDMA
- Support PFC deadlock detection
- Support congestion avoidance mechanisms such as WRED and tail drop

Support data center characteristics

- Support Mclag
- Support vxlan

Product specification

Specification	SD6721-48XS8H	SD6721-48Y8H
Exchange capacity	2.56Tbps	4.0Tbps
Packet forwarding rate	1920Mpps	3000Mpps
Overall dimensions (L × W × H)	442*550*44mm	442*550*44mm
Weight	<15kg	<15kg
Console port	1 RJ45 console	1 RJ45 console
Ethernet port for management	1 Gigabit management network port	1 Gigabit management network port
USB port	1 usb2.0 port	1 usb2.0 port
Description of service ports	48 × 10GE ports 8 × 100G ports	48 × 25G ports 8 × 100G ports
Input voltage	AC:100~240Vac,50/60Hz DC:100~370Vdc	AC:100~240Vac,50/60Hz DC:100~370Vdc
Power consumption (static)	<200W	<200W
Power consumption (full load)	<550W	<550W
Operating environmental temperature	0~40°C	0~40°C
Relative humidity of operating environment (non-condensing)	5%~95%RH(no condensation)	5%~95%RH(no condensation)