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Overview

CE6851-48S6Q-HI-B is Huawei CE6851-48S6Q-HI Switch (48-Port 10G SFP+, 6-Port 40GE QSFP+, 2*FAN Box, Port-side Intake, Without Power Module). Support for Fiber Channel over Ethernet (FCoE) allows a single network to carry storage, data, and computing services, reducing network construction and maintenance costs The industry.

Quick Specification

Table 1 shows the Quick Specification.

Model	CE6851-48S6Q-HI-B
Part Number	02350JAQ
Description	48-Port 10G SFP+, 6-Port 40GE QSFP+, 2*FAN Box, Port-side Intake, Without Power Module
10G Base-T Ports	0
SFP+ Ports	48
FC Ports	0
QSFP+ Ports	6
Switching Capacity	1.44 Tbit/s
Forwarding Rate	1,080 Mpps
Airflow Design	Front-to-back or back-to-front
Maximum power consumption	245W
Typical power consumption	145 W
Dimensions (W x D x H)	442 mm x 420 mm x 43.6 mm
Weight (fully loaded)	8.7 kg (19.2 lb)

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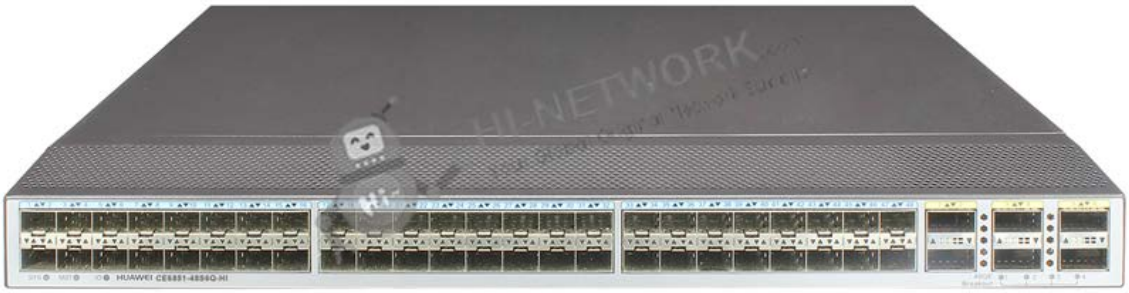
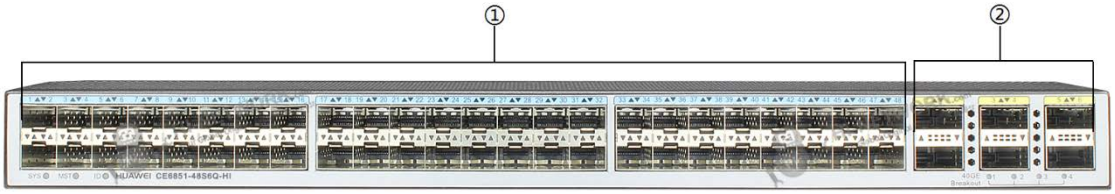
Figure 1 shows the appearance of CE6851-48S6Q-HI-B.



Product Details

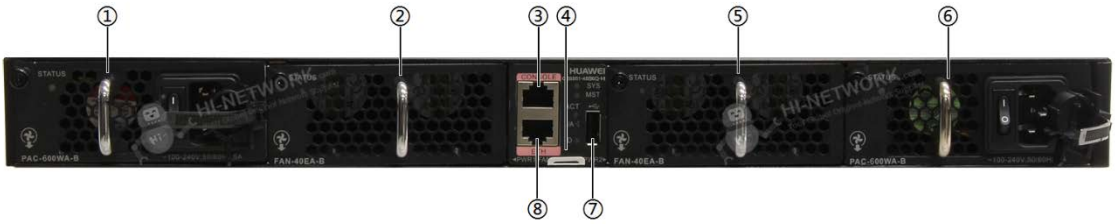
Figure 2 shows the front (port side) panel of CE6851-48S6Q-HI-B.



Note:

(1)	Forty-eight 10GE SFP+ Ethernet optical ports
(2)	Six 40GE QSFP+ Ethernet optical ports

Figure 3 shows the rear (power supply side) panel of CE6851-48S6Q-HI-B.



Note:

(1)	Power supply slot 1	(5)	Fan slot 2
(2)	Fan slot 1	(6)	Power supply slot 2
(3)	Console port	(7)	USB port
(4)	Bar code label	(8)	ETH management port

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The Modules

Table 2 shows the recommended elements for the CE6851-48S6Q-HI-B.

Model	Description
GE-SFP Optical Transceiver	
eSFP-GE-SX-MM850	Optical Transceiver, eSFP, GE, Multi-mode Module (850nm, 0.55km, LC)
SFP-GE-LX-SM1310	Optical Transceiver, eSFP, GE, Single-mode Module (1310nm, 10km, LC)
S-SFP-GE-LH40-SM1310	Optical Transceiver, eSFP, GE, Single-mode Module (1310nm, 40km, LC)
S-SFP-GE-LH40-SM1550	Optical Transceiver, eSFP, GE, Single-mode Module (1550nm, 40km, LC)
10G-SFP+ Optical Transceiver	
SFP-10G-USR	10GBase-USR Optical Transceiver, SFP+, 10G, Multi-mode Module (850nm, 0.1km, LC)
OMXD30000	Optical Transceiver, SFP+, 10G, Multi-mode Module (850nm, 0.3km, LC)
40GE QSFP+ optical transceiver	
QSFP-40G-iSR4	40GBase-iSR4 Optical Transceiver, QSFP+,40G, Multi-mode (850nm,0.15km, MPO) (Connect to four SFP+ Optical Transceiver)
QSFP-40G-LR4	40GBase-LR4 Optical Transceiver, QSFP+, 40GE, Single-mode Module (1310nm, 10km, LC)
GE Copper Transceiver	
SFP-1000BaseT	Electrical Transceiver, SFP, GE, Electrical Interface Module (100m, RJ45)
FAN-40EA	
FAN-40EA-F	Fan box (EA, Front to Back, FAN panel side intake)
FAN-40EA-B	Fan box (EA, Back to Front, FAN panel side exhaust)

Compare to Similar Items

Table 3 shows the comparison of CE6851-48S6Q-HI-B and CE6850-EI-B00.

Model	CE6851-48S6Q-HI-B	CE6850-EI-B00
10G Base-T Ports	0	0
SFP+ Ports	48	48
FC Ports	0	0
QSFP+ Ports	6	4
Switching Capacity	1.44 Tbit/s	1.28 Tbit/s
Forwarding Rate	1,080 Mpps	960 Mpps
Maximum power consumption	245W	272 W
Typical power consumption	145 W	180 W

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Get More Information

Do you have any question about the CE6851-48S6Q-HI-B (02350JAQ)?

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Specification

CE6851-48S6Q-HI-B Specifications	
10G Base-T Ports	0
SFP+ Ports	48
FC Ports	0
QSFP+ Ports	6
Switching Capacity	1.44 Tbit/s
Forwarding Rate	1,080 Mpps
Airflow Design	Front-to-back or back-to-front
Device Virtualization	iStack Super Virtual Fabric (SVF)
Network Virtualization	M-LAG TRILL
VM Awareness	Agile Controller
Network Convergence	FCoE DCBX, PFC, and ETS
Programmability	OpenFlow OPS Puppet, and OVSDB plugins released on open-source websites Linux container for open source and customization programming
Traffic Analysis	NetStream sFlow
VLAN	Adding access, trunk, and hybrid interfaces to VLANs Default VLAN QinQ MUX VLAN GVRP
ACL	Ingress: 3,750 Egress: 1,000
MAC Address Table	Maximum: 288k Dynamic learning and aging of MAC addresses Static, dynamic, and blackhole MAC address entries Packet filtering based on source MAC addresses

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	MAC address limiting based on ports and VLANs
ARP (maximum)	128k
IPv4 FIB (maximum)	256k
IP Routing	IPv4 routing protocols, such as RIP, OSPF, BGP, and IS-IS IPv6 routing protocols, such as RIPng, OSPFv3, IS-ISv6, and BGP4+
IPv6 FIB (maximum)	128k
IPv6	IPv6 Neighbor Discovery (ND) Path MTU Discovery (PMTU) TCP6, ping IPv6, tracert IPv6, socket IPv6, UDP6, and Raw IP6
Multicast FIB (maximum)	8k
Multicast	IGMP, PIM-SM, PIM-DM, MSDP, and MBGP IGMP snooping IGMP proxy Fast leave of multicast member interfaces Multicast traffic suppression Multicast VLAN
Reliability	LACP STP, RSTP, VBST, and MSTP BPDU protection, root protection, and loop protection Smart Link and multi-instance DLDP ERPS (G.8032) VRRP, VRRP load balancing, and BFD for VRRP BFD for BGP/IS-IS/OSPF/Static route
QoS	Traffic classification based on Layer 2 headers, Layer 3 protocols, Layer 4 protocols, and 802.1p priority Actions of ACL, CAR, re-marking, and scheduling Queue scheduling algorithms, including PQ, WRR, DRR, PQ + WRR, and PQ + DRR Congestion avoidance mechanisms, including WRED and tail drop Traffic shaping
Configuration and Maintenance	Console, Telnet, and SSH terminals Network management protocols, such as SNMPv1/v2c/v3 File upload and download through FTP and TFTP BootROM upgrade and remote upgrade 802.3az Energy Efficient Ethernet (EEE) Hot patches User operation logs ZTP
Security and Management	802.1x authentication Command line authority control based on user levels, preventing unauthorized users from using commands DoS, ARP, and ICMP attack defenses Port isolation, port security, and sticky MAC Binding of the IP address, MAC address, interface number, and VLAN ID Authentication methods, including AAA, RADIUS, and HWTACACS Remote Network Monitoring (RMON)

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Dimensions (W x D x H)	442 mm x 420 mm x 43.6 mm
Weight (fully loaded)	8.7 kg (19.2 lb)
Environmental Parameters	Operating temperature: 0°C to 40°C (32°F to 104°F) (0m to 1,800m) Storage temperature: -40°C to 70°C (-40°F to 158°F) Relative humidity: 5% RH to 95% RH, non-condensing
Operating Voltage	AC: 90V to 290V DC: -38.4V to -72V
Max. Power Consumption	245W

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