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Overview

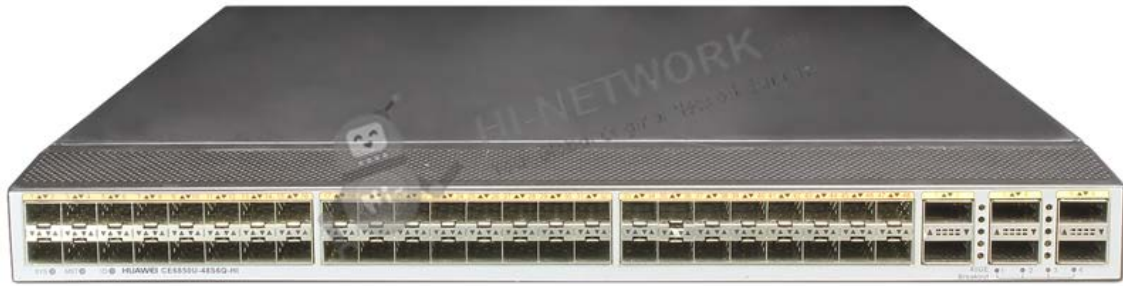
CE6850U-HI-F-B0A is Huawei CE6850U-48S6Q-HI Switch (48-Port 10GE SFP+, support 2/4/8G FC, 6-Port 40GE QSFP+, 2*AC Power Module, 2*FAN Box, Port-side Exhaust). Support for Fiber Channel over Ethernet (FCoE) allows a single network to carry storage, data, and computing services, reducing network construction and maintenance costs the industry.

Quick Specification

Table 1 shows the Quick Specification.

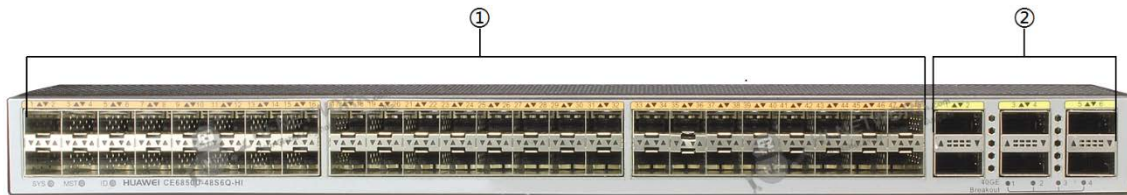
Model	CE6850U-HI-F-B0A
Part Number	02359312
Description	48-Port 10GE SFP+, support 2/4/8G FC, 6-Port 40GE QSFP+, 2*AC Power Module, 2*FAN Box, Port-side Exhaust
10G Base-T Ports	0
SFP+ Ports	48
FC Ports	48
QSFP+ Ports	6
Switching Capacity	1.44 Tbit/s
Forwarding Rate	1,080 Mpps
Airflow Design	Front-to-back or back-to-front
Maximum power consumption	339 W
Typical power consumption	235W
Dimensions (W x D x H)	442 mm x 600 mm x 43.6 mm
Weight (fully loaded)	12.6 kg (27.8 lb)

Figure 1 shows the appearance of CE6850U-HI-F-B0A.



Product Details

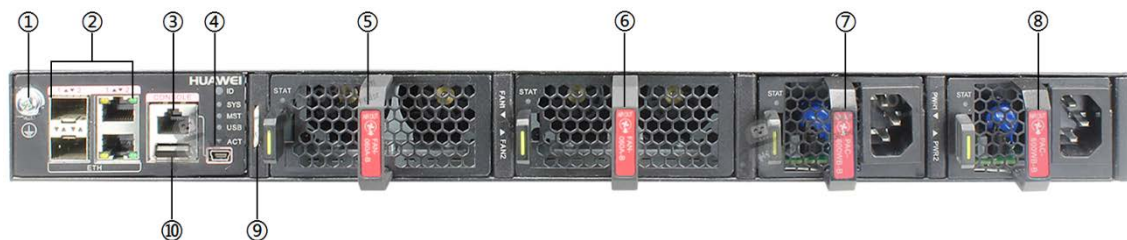
Figure 2 shows the front (port side) panel of CE6850U-HI-F-B0A.



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 CE6850U-HI-F-B0A.



Note:

(1)	Ground screw	(6)	Fan slot 2
(2)	Two ETH management ports (combo)	(7)	Power supply slot 1
(3)	Console port	(8)	Power supply slot 2

(4)	Mini USB port	(9)	Barcode label
(5)	Fan slot 1	(10)	USB port

The Modules

Table 2 shows the recommended elements for the CE6850U-HI-F-B0A.

Model	Description
AC power module	
PAC-600WB-F	600W AC&240V DC Power Module (Power panel side intake)
PAC-600WB-B	600W AC&240V DC Power Module (Power panel side exhaust) VIEW AS
FE-SFP Optical Transceiver	
SFP-FE-SX-MM1310	Optical Transceiver, SFP, 100M/155M, Multi-mode Module (1310nm, 2km, LC)
eSFP-FE-LX-SM1310	Optical Transceiver, eSFP, 100M/155M, Single-mode Module (1310nm, 15km, LC)
S-SFP-FE-LH40-SM1310	Optical Transceiver, eSFP, FE, Single-mode Module (1310nm, 40km, LC)
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)
FAN-060A	
FAN-060A-F	Fan box (F, FAN panel side intake)
FAN-060A-B	Fan box (B, FAN panel side exhaust)

Compare to Similar Items

Table 3 shows the comparison of CE6850U-HI-F-B0A and CE6850U-24S2Q-HI-B.

Model	CE6850U-HI-F-B0A	CE6850U-24S2Q-HI-B

10G Base-T Ports	0	0
SFP+ Ports	48	24
FC Ports	48	24
QSFP+ Ports	6	2
Switching Capacity	1.44 Tbit/s	640 Gbit/s
Forwarding Rate	1,080 Mpps	480 Mpps
Airflow Design	Front-to-back or back-to-front	Front-to-back or back-to-front
Maximum power consumption	339 W	282 W
Typical power consumption	235W	183 W

Get More Information

Do you have any question about the CE6850U-HI-F-B0A (02359312)?

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Specification

CE6850U-HI-F-B0A Specification	
Model	CE6850U-HI-F-B0A
Part Number	02359312
Description	48-Port 10GE SFP+, support 2/4/8G FC, 6-Port 40GE QSFP+, 2*AC Power Module, 2*FAN Box, Port-side Exhaust
10G Base-T Ports	0
SFP+ Ports	48
FC Ports	48
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	<p>OpenFlow</p> <p>OPS</p> <p>Puppet, and OVSDB plugins released on open-source websites</p> <p>Linux container for open source and customization programming</p>
Traffic Analysis	<p>NetStream</p> <p>sFlow</p>
VLAN	<p>Adding access, trunk, and hybrid interfaces to VLANs</p> <p>Default VLAN</p> <p>QinQ</p> <p>MUX VLAN</p> <p>GVRP</p>
ACL	Ingress: 3,750 Egress: 1,000
MAC Address Table	<p>Maximum: 288k</p> <p>Dynamic learning and aging of MAC addresses</p> <p>Static, dynamic, and blackhole MAC address entries</p> <p>Packet filtering based on source MAC addresses</p> <p>MAC address limiting based on ports and VLANs</p>
ARP (maximum)	128k
IPv4 FIB (maximum)	256k
IP Routing	<p>IPv4 routing protocols, such as RIP, OSPF, BGP, and IS-IS</p> <p>IPv6 routing protocols, such as RIPng, OSPFv3, IS-ISv6, and BGP4+</p>
IPv6 FIB (maximum)	128k
IPv6	<p>IPv6 Neighbor Discovery (ND)</p> <p>Path MTU Discovery (PMTU)</p> <p>TCP6, ping IPv6, tracer IPv6, socket IPv6, UDP6, and Raw IP6</p>
Multicast FIB (maximum)	8k
Multicast	<p>IGMP, PIM-SM, PIM-DM, MSDP, and MBGP</p> <p>IGMP snooping</p> <p>IGMP proxy</p> <p>Fast leave of multicast member interfaces</p> <p>Multicast traffic suppression</p> <p>Multicast VLAN</p>
MPLS	MPLS (CE6800HI)
Reliability	<p>LACP</p> <p>STP, RSTP, VBST, and MSTP</p> <p>BPDU protection, root protection, and loop protection</p> <p>Smart Link and multi-instance</p> <p>DLDP</p> <p>ERPS (G.8032)</p> <p>VRRP, VRRP load balancing, and BFD for VRRP</p> <p>BFD for BGP/IS-IS/OSPF/Static route</p>
QoS	<p>Traffic classification based on Layer 2 headers, Layer 3 protocols, Layer 4 protocols, and 802.1p priority</p> <p>Actions of ACL, CAR, re-marking, and scheduling</p>

	<p>Queue scheduling algorithms, including PQ, WRR, DRR, PQ + WRR, and PQ + DRR</p> <p>Congestion avoidance mechanisms, including WRED and tail drop</p> <p>Traffic shaping</p>
Configuration and Maintenance	<p>Console, Telnet, and SSH terminals</p> <p>Network management protocols, such as SNMPv1/v2c/v3</p> <p>File upload and download through FTP and TFTP</p> <p>BootROM upgrade and remote upgrade</p> <p>802.3az Energy Efficient Ethernet (EEE)</p> <p>Hot patches</p> <p>User operation logs</p> <p>ZTP</p>
Security and Management	<p>802.1x authentication</p> <p>Command line authority control based on user levels, preventing unauthorized users from using commands</p> <p>DoS, ARP, and ICMP attack defenses</p> <p>Port isolation, port security, and sticky MAC</p> <p>Binding of the IP address, MAC address, interface number, and VLAN ID</p> <p>Authentication methods, including AAA, RADIUS, and HWTACACS</p> <p>Remote Network Monitoring (RMON)</p>
Dimensions (W x D x H)	442 mm x 600 mm x 43.6 mm
Weight (fully loaded)	12.6 kg (27.8 lb)
Environmental Parameters	<p>Operating temperature: 0°C to 40°C (32°F to 104°F) (0m to 1,800m)</p> <p>Storage temperature: -40°C to 70°C (-40°F to 158°F)</p> <p>Relative humidity: 5% RH to 95% RH, non-condensing</p>
Operating Voltage	<p>AC: 90V to 290V</p> <p>DC: 240V & 380V</p>
Max. Power Consumption	339W

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CE6850U-HI-F-B0A (02359312)

Datasheet



Contact HI-NETWORK.COM For Global Fast Shipping

HongKong Office Tel: +00852-66181601

HangZhou Office Tel: +0086-571-86729517

Email: info@hi-network.com

Skype: echo.hinetwork

WhatsApp Business: +8618057156223

