CE7850-32Q-EI-B (02350FAB)
Datasheet

Overview

CE7850-32Q-EI-B provides 32*40GE QSFP+ optical ports (each can be split into 4*10GE ports), and can be equipped with 2 pluggable power modules and 2 pluggable fan modules.

Quick Specification
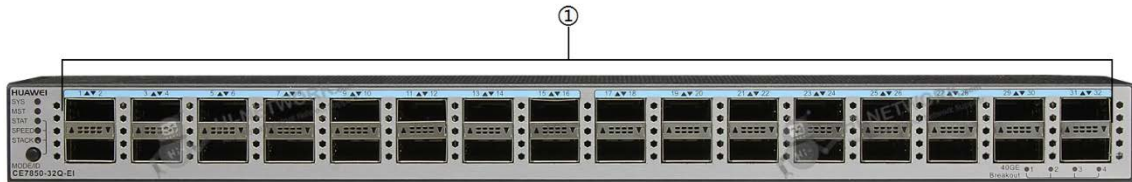
Table 1 shows the Quick Specification.

Model	CE7850-32Q-EI-B
Part Number	02350FAB
Software Version	V100R003C00 and later
Description	32-Port 40G QSFP+, 2*FAN Box, Port-side Intake, Without Power Module
Ports	32 x 40 GE QSFP+ ports
Power supply	600W AC
Number of stack members/Stack bandwidth	16/640G (unidirectional)
Switching Capacity	2.56 Tbit/s
Forwarding Performance	1,440 Mpps
Maximum power consumption	431 W
Typical power consumption	271 W (100% traffic load, QSFP+ high-speed copper cables on 32 ports, double power modules)
Dimensions (W x D x H)	17.4 in. x 23.9 in. x 1.7 in. (442 mm x 607 mm x 43.6 mm)
Weight (fully loaded)	11.2 kg (24.7 lb)

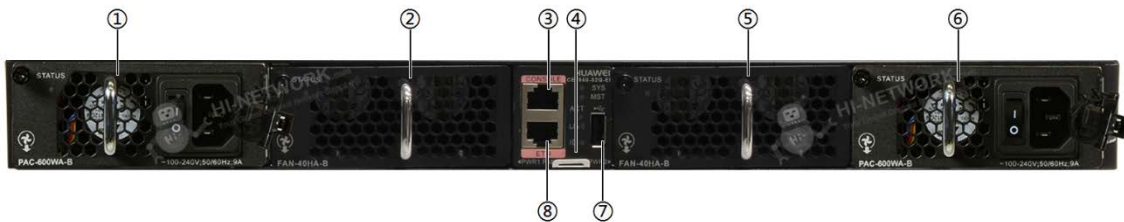**Figure 1 shows the appearance of CE7850-32Q-EI.**

Product Details

Figure 2 shows the front (port side) panel of CE7850-32Q-EI-B.

Note:

(1)	Thirty-two 40GE QSFP+ Ethernet optical ports

Figure 3 shows the rear (power supply side) panel of CE7850-32Q-EI-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)	Barcode label	(8)	ETH management port (RJ45)

The Modules

Table 2 shows the recommended elements for the CE7850-32Q-EI-B.

Model	Description
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-40HA	

FAN-40HA-F	Fan box (HA, Front to Back, FAN panel side intake)
FAN-40HA-B	Fan box (HA, Back to Front, FAN panel side exhaust)

Compare to Similar Items

Table 3 shows the comparison of CE7850-32Q-EI-B and CE6850-48S4Q-EI.

Model	CE7850-32Q-EI-B	CE6850-48S4Q-EI
Fixed 10GE interfaces	None	48*10GE SFP+
Fixed 40GE interfaces	32*40GE QSFP+ A 40GE interface can be split into four 10GE interfaces.	4*40GE QSFP+ A 40GE interface can be split into four 10GE interfaces.
Switching Capacity	2.56 Tbit/s	1.28 Tbit/s
Forwarding Rate	1,440 Mpps	960 Mpps
Maximum power consumption	431 W	272 W
Typical power consumption	271 W	180 W

Get More Information

Do you have any question about the CE7850-32Q-EI-B (02350FAB)?

Contact us now via info@hi-network.com.

Specification

CE7850-32Q-EI-B Specification	
Model	CE7850-32Q-EI-B
Part Number	02350FAB
Software Version	V100R003C00 and later
Description	32-Port 40G QSFP+, 2*FAN Box, Port-side Intake, Without Power Module
Ports	32 x 40 GE QSFP+
Switching Capacity	2.56 Tbit/s
Forwarding Performance	1,440 Mpps
Airflow Design	Front-to-back or back-to-front
Device Virtualization	iStack SVF M-LAG

Network Virtualization	TRILL
	VXLAN routing and bridging
	BGP-EVPN
	QinQ access VXLAN
	IPv6 over VXLAN
SDN	Agile Controller
	VMware NSX
Network Convergence	FCoE
	DCBX, PFC, and ETS
Programmability	OPS
	Puppet, Ansible, and OVSDB plug-ins released on open-source websites
	Linux containers for open-source and customized programming
Traffic Analysis	NetStream
	sFlow
VLAN	Adding access, trunk, and hybrid interfaces to VLANs
	Default VLAN
	QinQ
	MUX VLAN
	GARP VLAN registration protocol (GVRP)
ACL	Ingress: 3,750;
	Egress: 1,000
MAC Address Table	Maximum: 288k
	Dynamic learning and aging of MAC addresses
	Static, dynamic, and black hole MAC address entries
	Packet filtering based on source MAC addresses
	MAC address limiting based on ports and VLANs
ARP	Maximum: 128k
ND	Maximum: 48k
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
	Fast leave of multicast member interfaces
	Multicast traffic suppression
	Multicast VLAN
MPLS	MPLS
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 L2 headers, L3 protocols, L4 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 SNMP v1/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
	Zero-Touch Provisioning (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 and VLAN
	Authentication methods, including AAA, RADIUS, and HWTACACS
	Remote Network Monitoring (RMON)
Dimensions (W x D x H)	17.4 in. x 23.9 in. x 1.7 in. (442 mm x 607 mm x 43.6 mm)
Weight (fully loaded)	11.2 kg (24.7 lb)
Environment 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	90V AC to 290V AC
Maximum Power Consumption	431W

Want to Buy

Get a Quote

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