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## Overview

CE7850-EI-B-B0A 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.

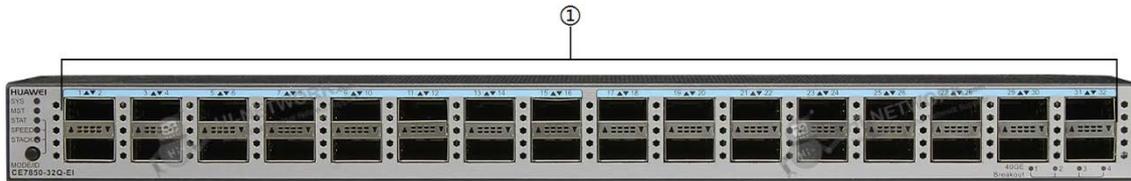
Model	CE7850-EI-B-B0A
Part Number	02350EYQ
Software Version	V100R003C00 and later
Description	2*600W AC Power Module, 2*FAN Box, Port-side Intake
Ports	32 x 40 GE QSFP+ ports
Power supply	600W AC
Number of stack members/Stack bandwidth	16/640G (unidirectional)
Switching Capacity	2.56 Tbit/s
Forwarding 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-EI-B-B0A.



### Product Details

Figure 2 shows the front (port side) panel of CE7850-EI-B-B0A.



Note:

(1)	Thirty-two 40GE QSFP+ Ethernet optical ports
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Figure 3 shows the rear (power supply side) panel of CE7850-EI-B-B0A.



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-EI-B-B0A.

Model	Description
AC power module	
PAC-600WA-F	600W AC Power Module (Front to Back, Power panel side intake)
PAC-600WA-B	600W AC Power Module (Back to Front, Power panel side exhaust)
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-EI-B-B0A and CE6850-48S4Q-EI.

Model	CE7850-EI-B-B0A	<a href="#">CE6850-48S4Q-EI</a>
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-EI-B-B0A (02350EYQ)?

Contact us now via [info@hi-network.com](mailto:info@hi-network.com).

## Specification

CE7850-EI-B-B0A Specification	
Model	CE7850-EI-B-B0A
Part Number	02350EYQ
Software Version	V100R003C00 and later
Description	2*600W AC Power Module, 2*FAN Box, Port-side Intake
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, tracer 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

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