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Overview

CE7850-32Q-EI-F 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.

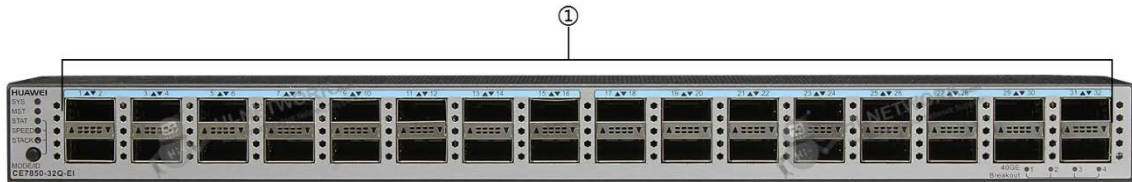
Model	CE7850-32Q-EI-F
Part Number	02350EYY
Software Version	V100R003C00 and later
Description	32-Port 40G QSFP+, 2*FAN Box, Port-side Exhaust, Without Power Module
Ports	32 x 40 GE QSFP+ ports
Power supply	600W AC
Number of stack members/Stack bandwidth	16/640G (unidirectional)
Switching Capacity	2.56 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-F.



Product Details

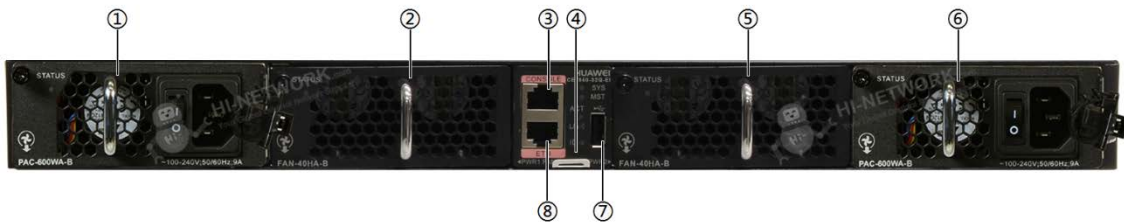
Figure 2 shows the front (port side) panel of CE7850-32Q-EI-F.



Note:

(1)	Thirty-two 40GE QSFP+ Ethernet optical ports
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Figure 3 shows the rear (power supply side) panel of CE7850-32Q-EI.



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-F.

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-F and CE6850-48S4Q-EI.

Model	CE7850-32Q-EI-F	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-F (02350EYY)?

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Specification

CE7850-32Q-EI-F Specification	
Model	CE7850-32Q-EI-F
Part Number	02350EYY
Software Version	V100R003C00 and later
Description	32-Port 40G QSFP+, 2*FAN Box, Port-side Exhaust, 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	<p>TRILL</p> <p>VXLAN routing and bridging</p> <p>BGP-EVPN</p> <p>QinQ access VXLAN</p> <p>IPv6 over VXLAN</p>
SDN	<p>Agile Controller</p> <p>VMware NSX</p>
Network Convergence	<p>FCoE</p> <p>DCBX, PFC, and ETS</p>
Programmability	<p>OPS</p> <p>Puppet, Ansible, and OVSDB plug-ins released on open-source websites</p> <p>Linux containers for open-source and customized 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>GARP VLAN registration protocol (GVRP)</p>
ACL	<p>Ingress: 3,750;</p> <p>Egress: 1,000</p>
MAC Address Table	<p>Maximum: 288k</p> <p>Dynamic learning and aging of MAC addresses</p> <p>Static, dynamic, and black hole MAC address entries</p> <p>Packet filtering based on source MAC addresses</p> <p>MAC address limiting based on ports and VLANs</p>
ARP	<p>Maximum: 128k</p>
ND	<p>Maximum: 48k</p>
IPv4 FIB	<p>Maximum: 256k</p>
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	<p>Maximum: 128k</p>
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	<p>Maximum: 8k</p>
Multicast	<p>IGMP, PIM-SM, PIM-DM, MSDP, and MBGP</p> <p>IGMP snooping</p> <p>Fast leave of multicast member interfaces</p> <p>Multicast traffic suppression</p> <p>Multicast VLAN</p>
MPLS	<p>MPLS</p>
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 L2 headers, L3 protocols, L4 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 SNMP v1/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>Zero-Touch Provisioning (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 and VLAN</p> <p>Authentication methods, including AAA, RADIUS, and HWTACACS</p> <p>Remote Network Monitoring (RMON)</p>
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	<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	90V AC to 290V AC
Maximum Power Consumption	431W

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CE7850-32Q-EI-F (02350EYY)

Datasheet



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