Product Overview

Huawei ® NetEngine40E Universal Service Router (NE40E) Series routers are high-end network products developed by Huawei. The NE40E Series routers are usually deployed at core nodes on enterprise wide area networks (WANs), access nodes on large-scale enterprise networks, interconnection and aggregation nodes on campus networks, and edge nodes on large-scale Internet Data Center (IDC) networks. The NE20E, NE40E, and NE5000E can work together to provide a complete hierarchical IP network solution.

The NE40E Series includes the NE40E-X3, NE40E-X8, NE40E-X16, NE40E-X3A, NE40E-X8A and NE40E-X16A, as shown in Figure 1

Figure 1-1 Huawei NE40E Series routers (Front)



NE40E-X3 (DC)

NE40E-X3 (AC)

NE40E-X8

NE40E-X16

NE40E-X16A

NE40E-X8A

NE40E-X3A (DC)

NE40E-X3A (AC)

Figure 1-2 Huawei NE40E Series routers (Back)



The NE40E Series routers run on the Versatile Routing Platform (VRP ®) operating system and use hardware-based forwarding and non-blocking switching technologies. Based on distributed hardware forwarding, non-blocking switching technologies, distributed Clos architecture, and industry-leading 2T bps platform, the NE40E Series routers have the following features:

- Support for 1T routing line cards in each slot, with excellent compatibility with currently used line cards to protect carriers' investments to the largest extent.
- Line speed forwarding capabilities, industry-leading reliability, excellent scalability, a well-designed quality of service (QoS) mechanism, and strong service processing capabilities.
- Powerful service access and aggregation capabilities and various features, such as Layer 2 virtual private network (L2VPN), L3VPN, multicast, multicast VPN (MVPN), and Multiprotocol Label Switching - Traffic Engineering (MPLS-TE).
- Various service features, such as IP Security (IPSec), Network Address Translation (NAT), and NetStream.
- Support for IPv6 and smooth transition from IPv4 to IPv6.

The NE40E can be flexibly deployed at the edge or core of IP or MPLS networks, simplifying network structure. With its ability to provide an extensive range of services and reliable service quality, the NE40E is driving IP and MPLS bearer networks to develop greater broadband capacity and to become more secure, more intelligent, and more service-oriented.

Product Features

Table 1 lists the features of the Huawei NE40E Series Routers.

Features of Huawei NE40E Series Routers

Features	Description
Powerful Service Support	
Port capability	The NE40E supports various interface types (E1, POS, CPOS, FE, GE, 10GE-LAN/WAN, 25GE, 40GE, 50GE, and 100GE) and high-density fixed ports to provide access and aggregation WAN services as well as Ethernet multi-service transmission platform (MSTP) aggregation services, satisfying various service requirements. Support dedicated interface for out-of-band management

Features	Description
	10/100/1000 and RJ-45 interface for time synchronization.
Routing	RIP, RIPng, OSPF, OSPFV3, IS-IS, IS-ISV6, BGP, BGPv6, Static routing, IPv4 Multicast, IPv6 Multicast, Multicast static, etc
IPv4	TCP/IP, for example, ICMP, IP, TCP, UDP, Socket (TCP/UDP/RAW IP), ARP Static DNS DNS Client FTP Server FTP Client TFTP Client DHCP Relay 和 DHCP Server Ping Tracert NQA IP policy-based routing Forwarding next hop based on traffic IP policy-based route load balancing The QinQ interface (QinQ termination and dot1q termination) supports IPv4 load balancing. Enabling and disabling the rapid ping reply function based on interface boards Forcible fragmentation for packets with length greater than MTU and DF enabled MPLS-in-UDP tunnel egress PIM Multicast
IPv6	IPv6(ND) Path MTU (PMTU) TCP6 Ping IPv6 Tracert IPv6 Socket IPv6 DHCPv6 Relay Static IPv6 DNS TFTP IPv6 Client IP policy-based routing IPv6 ND fast reply PIM Multicast
L2VPN	PWE3/VLL、VPLS、EVPN、EVPN L3VPN、VxLAN、L2TP
L3VPN	CE routers can access the L3VPN through L3 interfaces. MP-BGP RSVP-TE P2MP Support static routes between CE and PE, BGP, RIP, OSPF and ISIS Inter-AS VPN, including RFC2547bis option A. Inter-AS VPN, including RFC2547bis option B Inter-AS VPN, including RFC2547bis option C NG-MVPN IPv6 VPN HoVPN

Features	Description
	Seamless MPLS BGP LSP entropy label Redirect to VPN L3VPN PIPE/Uniform mode L3VPN Statistics
SRv6	SRv6-BE、SRv6 Policy、SRv6 egress protection
VAS	BNG/BRAS、NAT/CGN、IPSec、MACSec
Clock	Physical layer synchronization、1588v2 Optional support of ITU-T G8273.2 Class C
OAM	iFIT IPFPM NQA TWAMP BFD MPLS OAM MPLS-TP OAM VRRP Ethernet OAM 802.3ah Y1731 Ethernet LPT Bit-error-triggered protection switching
QoS	QPPB，Differ-Serv，HQoS，Redirection

Product Specifications

Specifications of Huawei NE40E Series Routers

Item	NE40E-X3	NE40E-X8	NE40E-X16	NE40E-X3A	NE40E-X8A	NE40E-X16A
Switching capacity	1.08 Tbps	7.08 Tbps (LPUF-240/LPUI-240)	12.58 Tbps (LPUF-240/LPUI-240)	2.76 Tbps	• 25.16 Tbps (LPUI-1T) • 51.2 Tbps (LPUI-2T)	• 50.32 Tbps (LPUI-1T) • 81.92 Tbps (LPUI-2T)
Forwarding performance	• 105 Mpps (LPUF-51) • 360 Mpps (LPUF-120)	2800 Mpps (LPUF-240)	5600 Mpps (LPUF-240)	900 Mpps (LPUF-200)	2800 Mpps (LPUF-240)	5600 Mpps (LPUF-240)
Number of slots supported	5	11	22	5	12	22
Number of interface board slots supported						

Item	NE40E-X3	NE40E-X8	NE40E-X16	NE40E-X3A	NE40E-X8A	NE40E-X16A
Redundant MPUs	1:1	1:1	1:1	1:1	1:1	1:1
Redundant Switch fabrics	N/A	2+1	3+1	N/A	3+1	3+1
MTBF	27.44 years	21.91 years	21.66 years	22.85 years	22.32 years	22.33 years
MTTR	0.5 hours	0.5 hours	0.5 hours	0.5 hours	0.5 hours	0.5 hours
Availability	0.99999792	0.999997395	0.999997365	0.999997502	0.999997443	0.9999974444
Dimensions (H x W x D)	• DC: (4 U) 175 mm x 442 mm x 650 mm (6.89 in. x 17.40 in. x 25.59 in.) • AC: (5 U) 220 mm x 442 mm x 650 mm (8.66 in. x 17.40 in. x 25.59 in.)	• (14 U) 620 mm x 442 mm x 650 mm (24.41 in. x 17.40 in. x 25.59 in.)(Chassis main body) • (14 U) 620 mm x 442 mm x 770 mm (24.41 in. x 17.40 in. x 30.31 in.)(Dimensions of the chassis body together with cable trays and front and back attachments)	• (32 U) 1420 mm x 442 mm x 650 mm (55.91 in. x 17.40 in. x 25.59 in.) (Chassis main body) • (32 U) 1420 mm x 442 mm x 770 mm (55.91 in. x 17.40 in. x 30.31 in.) (Dimensions of the chassis body together with cable trays and front and back attachments)	• (6 U) 264 mm x 442 mm x 710 mm (10.39 in. x 17.40 in. x 27.95 in.) (Chassis main body) • DC: (6 U) 264 mm x 442 mm x 758 mm (10.39 in. x 17.40 in. x 29.84 in.) (Dimensions of the chassis body together with cable trays and front and back attachments) • AC: (6 U) 264 mm x 442 mm x 770 mm (10.39 in. x 17.40 in. x 30.31 in.) (Dimensions of the chassis body together with cable trays and front and back attachments)	• (21 U) 930 mm x 442 mm x 650 mm (36.61 in. x 17.40 in. x 25.59 in.) (Chassis main body) • (21 U) 930 mm x 442 mm x 750 mm (36.61 in. x 17.40 in. x 29.53 in.) (Dimensions of the chassis body together with cable trays and front and back attachments) • [2T bundle](21 U) 930 mm x 442 mm x 941 mm (36.61 in. x 17.40 in. x 37.05 in.) (Dimensions of the chassis body together with cable trays and front and back attachments and noise reduction module)	• (40 U) 1778 mm x 442 mm x 650 mm (70.00 in. x 17.40 in. x 25.59 in.) (Chassis main body) • (40 U) 1778 mm x 442 mm x 750 mm (70.00 in. x 17.40 in. x 29.53 in.) (Dimensions of the chassis body together with cable trays and front and back attachments) • [2T bundle](40 U) 1778 mm x 442 mm x 946 mm (70.00 in. x 17.40 in. x 37.24 in.) (Dimensions of the chassis body together with cable trays and front and back attachments)

Item	NE40E-X3	NE40E-X8	NE40E-X16	NE40E-X3A	NE40E-X8A	NE40E-X16A
Weight (empty)	• DC: 12 kg (26.46 lb) • AC: 20 kg (44.1 lb)	25.8 kg (56.89 lb) (without filler panels)	69.6 kg (153.47 lb) (without filler panels)	26 kg (57.33 lb)	• DC: 68.1 kg (150.16 lb) (without filler panels) • HVDC&AC: 63.7 kg (140.46 lb) (without filler panels)	• DC: 120.5 kg (265.7 lb) (without filler panels) • HVDC&AC: 111.7 kg (246.3 lb) (without filler panels)
Weight (full configuration)	• DC: 42 kg (92.61 lb) • AC: 52 kg (114.66 lb)	136 kg (299.88 lb)	279 kg (615.2 lb)	• DC: 72.1 kg (158.98 lb) • AC: 74.7 kg (164.71 lb)	• [1T bundle] DC:209 kg (460.85 lb) • [1T bundle]HVDC&AC:206.5 kg (455.33 lb) • [2T bundle]DC: 242kg (533.51 lb) • [2T bundle]AC&HVDC:234.4kg(516.76 lb)	• [1T bundle] DC:399.4 kg (880.68 lb) • [1T bundle] HVDC&AC: 395.1 kg (871.2 lb) • [2T bundle] DC:461.3kg (1017.0 lb) • [2T bundle] HVDC&AC: 453.3kg(999.34 lb)
Cabinet installation standard	Can be installed in a standard 19" 800 mm-deep cabinet. A Huawei 2.2 m-high N68E cabinet is used by default.	Can be installed in a standard 19" 800 mm-deep cabinet. A Huawei 2.2 m-high N68E cabinet is used by default.	Can be installed in a standard 19" 800 mm-deep cabinet. A Huawei 2.2 m-high N68E cabinet is used by default.	Can be installed in a standard 19" 800 mm-deep cabinet. A Huawei 2.2 m-high N68E cabinet is used by default.	• Can be installed in a standard 19" 800 mm-deep cabinet. A Huawei 2.2 m-high N68E cabinet is used by default. • [2T bundle]Can be installed in a standard 19" 1000 mm-deep cabinet,part number is 02115109(CR5B0N610E60)	• Can be installed in a standard 19" 800 mm-deep cabinet. A Huawei 2.2 m-high N68E cabinet is used by default. • [2T bundle]Can be installed in a standard 19" 1000 mm-deep cabinet,part number is 02115109(CR5B0N610E60)
Typical power consumption	• DC: 800 W (fully configured	3220 W (fully configured with LPUF-240s)	6210 W (fully configured with LPUF-240s)	1120 W (fully configured with LPUF-200s)	• 4110 W (fully configured	• 7720 W (fully configured

Item	NE40E-X3	NE40E-X8	NE40E-X16	NE40E-X3A	NE40E-X8A	NE40E-X16A
	with LPUF-51s) • AC: 950 W (fully configured with LPUF-51s) • DC: 920 W (fully configured with LPUF-120s) • AC: 1070 W (fully configured with LPUF-120s)				with LPUF-240s) • 4770 W (fully configured with LPUF-480s) • 6520 W (fully configured with LPUI-1Ts) • 11100 W (fully configured with LPUI-2Ts)	with LPUF-240s) • 9040 W (fully configured with LPUF-480s) • 12390 W (fully configured with LPUI-1Ts) • 22450 W(fully configured with LPUI-2Ts)
Typical heat dissipation	• DC: 2595.5 BTU/hour (fully configured with LPUF-51s) • AC: 3082.2 BTU/hour (fully configured with LPUF-51s) • DC: 2984.9 BTU/hour (fully configured with LPUF-120s) • AC: 3471.5 BTU/hour (fully configured with LPUF-120s)	10447 BTU/hour (fully configured with LPUF-240s)	20147.9 BTU/hour (fully configured with LPUF-240s)	3633.8 BTU/hour (fully configured with LPUF-200s)	• 13334.6 BTU/hour (fully configured with LPUF-240s) • 15475.9 BTU/hour (fully configured with LPUF-480s) • 21153.6 BTU/hour (fully configured with LPUI-1Ts) • 36013.1 BTU/hour (fully configured with LPUI-2Ts)	• 25046.9 BTU/hour (fully configured with LPUF-240s) • 29329.6 BTU/hour (fully configured with LPUF-480s) • 40198.4 BTU/hour (fully configured with LPUI-1Ts) • 72837.2 BTU/hour (fully configured with LPUI-2Ts)
DC input voltage	• input voltage range: –38.4 V to –72 V • input rated voltage: –48 V/ –60 V	• input voltage range: –38.4 V to –72 V • input rated voltage: –48 V/ –60 V	• input voltage range: –38.4 V to –72 V • input rated voltage: –48 V/ –60 V	• input voltage range: –40 V to –72 V • input rated voltage: –48 V/ –60 V	• input voltage range: –40 V to –72 V • input rated voltage: –48 V/ –60 V	• input voltage range: –40 V to –72 V • input rated voltage: -48 V/–60 V
AC input voltage	• input voltage range: 180 V to 264 V • input rated voltage:	• input voltage range: 180 V to 264 V • input rated voltage:	• input voltage range: 180 V to 264 V • input rated voltage:	• input voltage range: 180 V to 264 V • input rated voltage:	• input voltage range: 180 V to 264 V • input rated voltage:	• input voltage range: 180 V to 264 V • input rated voltage:

Item	NE40E-X3	NE40E-X8	NE40E-X16	NE40E-X3A	NE40E-X8A	NE40E-X16A
	200 V to 240 V	200 V to 240 V	200 V to 240 V	200 V to 240 V	200 V to 240 V	200 V to 240 V
Redundant powers	1+1	2+2	4+4	1+1	• [1T bundle] DC: 5+1 • [1T bundle] HVDC&AC: 4+1 • [2T bundle] DC: 7+1 • [2T bundle] HVDC&AC: 5+1	• [1T bundle] DC: 9+1 • [1T bundle] HVDC&AC: 7+1 • [2T bundle] DC: 12+1 • [2T bundle] HVDC&AC: 9+1
Redundant fans	Support for proper fan operation in case of a single fan failure for a short period at 40°C (104°F)	• 2 assemblies • Support for proper fan operation in case of a single fan failure for a short period at 40°C (104°F)	• 2 partitions • 2 assemblies/ partition, each partition in support for proper fan operation in case of a single fan failure for a short period at 40°C (104°F)	Support for proper fan operation in case of a single fan failure for a short period at 40°C (104°F)	• [1T bundle] 3 assemblies in support for proper fan operation in case of a single fan failure for a short period at 40°C (104°F) • [2T bundle] 3 assemblies in support for proper fan operation in case of a single fan failure for a short period at 40°C (104°F)	• [1T bundle] 2 partitions; 3 assemblies/ partition; each partition in support for proper fan operation in case of a single fan failure for a short period at 40°C (104°F) • [2T bundle] 2 partitions; 3 assemblies/ partition; each partition in support for proper fan operation in case of a single fan failure for a short period at 40°C (104°F)
Airflow						
Operating temperature	• Long-term: 0°C to 45°C (32°F to 113°F) • Short-term: –5°C to +55°C (23°F to131°F) • Remark:	• Long-term: 0°C to 45°C (32°F to 113°F) • Short-term: –5°C to +55°C (23°F to131°F) • Remark:	• Long-term: 0°C to 45°C (32°F to 113°F) • Short-term: –5°C to +55°C (23°F to131°F) • Remark:	• Long-term: 0°C to 45°C (32°F to 113°F) • Short-term: –5°C to +55°C (23°F to131°F) • Remark:	• Long-term: 0°C to 45°C (32°F to 113°F) • Short-term: –5°C to +55°C (23°F to131°F) • Remark:	• Long-term: 0°C to 45°C (32°F to 113°F) • Short-term: –5°C to +55°C (23°F to131°F) • Remark:

Item	NE40E-X3	NE40E-X8	NE40E-X16	NE40E-X3A	NE40E-X8A	NE40E-X16A
	Restriction on the temperature variation rate: 30°C/hour (86°F/h)	Restriction on the temperature variation rate: 30°C/hour (86°F/h)	Restriction on the temperature variation rate: 30°C/hour (86°F/h)	Restriction on the temperature variation rate: 30°C/hour (86°F/h)	Restriction on the temperature variation rate: 30°C/hour (86°F/h)	Restriction on the temperature variation rate: 30°C/hour (86°F/h)
Storage temperature	–40°C to +70°C (–40°F to +158°F)	–40°C to +70°C (–40°F to +158°F)	–40°C to +70°C (–40°F to +158°F)	–40°C to +70°C (–40°F to +158°F)	–40°C to +70°C (–40°F to +158°F)	–40°C to +70°C (–40°F to +158°F)
Relative operating humidity	• Long term: 5% to 85% RH, non-condensing • Short term: 5% to 95% RH, non-condensing	• Long term: 5% to 85% RH, non-condensing • Short term: 5% to 95% RH, non-condensing	• Long term: 5% to 85% RH, non-condensing • Short term: 5% to 95% RH, non-condensing	• Long term: 5% to 85% RH, non-condensing • Short term: 5% to 95% RH, non-condensing	• Long term: 5% to 85% RH, non-condensing • Short term: 5% to 95% RH, non-condensing	• Long term: 5% to 85% RH, non-condensing • Short term: 5% to 95% RH, non-condensing
Relative storage humidity	5% to 95% RH, non-condensing	5% to 95% RH, non-condensing	5% to 95% RH, non-condensing	5% to 95% RH, non-condensing	5% to 95% RH, non-condensing	5% to 95% RH, non-condensing
Long-term operating altitude	<= 4000 m (13123.2 ft.) (For the altitude in the range of 1800 m to 4000 m [5905.44 ft. to 13123.2 ft.], the operating temperature of the NEU100 must decrease by 1°C [33.8°F] for every 220 m [721.78 ft.].)	<= 4000 m (13123.2 ft.) (For the altitude in the range of 1800 m to 4000 m [5905.44 ft. to 13123.2 ft.], the operating temperature of the NEU100 must decrease by 1°C [33.8°F] for every 220 m [721.78 ft.].)	<= 4000 m (13123.2 ft.) (For the altitude in the range of 1800 m to 4000 m [5905.44 ft. to 13123.2 ft.], the operating temperature of the NEU100 must decrease by 1°C [33.8°F] for every 220 m [721.78 ft.].)	<= 4000 m (13123.2 ft.) (For the altitude in the range of 1800 m to 4000 m [5905.44 ft. to 13123.2 ft.], the operating temperature of the NEU100 must decrease by 1°C [33.8°F] for every 220 m [721.78 ft.].)	<= 4000 m (13123.2 ft.) (For the altitude in the range of 1800 m to 4000 m [5905.44 ft. to 13123.2 ft.], the operating temperature of the NEU100 must decrease by 1°C [33.8°F] for every 220 m [721.78 ft.].)	<= 4000 m (13123.2 ft.) (For the altitude in the range of 1800 m to 4000 m [5905.44 ft. to 13123.2 ft.], the operating temperature of the NEU100 must decrease by 1°C [33.8°F] for every 220 m [721.78 ft.].)
Storage altitude	Less than 5000 m (16404 ft.)	Less than 5000 m (16404 ft.)	Less than 5000 m (16404 ft.)	Less than 5000 m (16404 ft.)	Less than 5000 m (16404 ft.)	Less than 5000 m (16404 ft.)
Regulatory compliance						

Ordering Information

Cabinets

Cabinets

BOM Number	Order Name	Description	Remarks
02113041	CR52-22-D	2.2m Router Assembly Cabinet with Double Swing Doors	
02114374	CR5B0N68ES6	2.2m Router Assembly Cabinet with Double	

BOM Number	Order Name	Description	Remarks
	0	Swing Doors	
02114435	CR5BRACK2000	2.0m Router Assembly Cabinet with Double Swing Doors	
02115156	CR5BRACK2201	2.2m Router Assembly Cabinet with single Swing Door(with air filter),N68E-22	
02115155	CR5BRACK2202	2.2m Router Assembly Cabinet with single Swing Door(no air filter),N68E-22	
02115109	CR5B0N610E60	2.2m Router Assembly Cabinet	

Basic Hardware Configurations

NE40E-X16A Basic Configurations

BOM Number	Order Name	Description	Remarks
02350AQQ	CR5P16BASD76	NE40E-X16A Basic Configuration (Including NE40E-X16A Chassis, 2 MPUs, 4 SFUs(480G),7 DC Power,4 Fan Tray, without Software Charge and Document)	
02350AQR	CR5P16BASA76	NE40E-X16A Basic Configuration (Including NE40E-X16A Chassis, 2 MPUs, 4 SFUs(480G), 10 AC Power,4 Fan Tray, without Software Charge and Document)	
02351ECJ	CR5P16BASD7B	NE40E-X16A Basic Configuration (Including NE40E-X16A Chassis, 2 MPUs, 4 SFUs(480G),10 HVDC Power,4 Fan Tray, without Software Charge and Document)	
02351PGK	CR5P16BASD7F	NE40E-X16A Basic Configuration (Including NE40E-X16A Chassis, 2 MPUs, 4 SFUs(480G),7 DC Power,4 Fan Tray, without Software Charge and Document)	
02351PGM	CR5P16BASA7F	NE40E-X16A Basic Configuration (Including NE40E-X16A Chassis, 2 MPUs, 4 SFUs(480G), 10 AC Power,4 Fan Tray, without Software Charge and Document)	
02351PGN	CR5P16BASH71	NE40E-X16A Basic Configuration (Including NE40E-X16A Chassis, 2 MPUs, 4 SFUs(480G),10 HVDC Power,4 Fan Tray, without Software Charge and Document)	
02350AUC	CR5P16BASD77	NE40E-X16A Basic Configuration (Including NE40E-X16A Chassis, 2 MPUs, 4 SFUs(1T), 10 DC Power,6 Fan Tray,without Software Charge and Document)	
02350AUD	CR5P16BASA77	NE40E-X16A Basic Configuration (Including NE40E-X16A Chassis, 2 MPUs, 4 SFUs(1T), 14 AC Power,6 Fan Tray, without Software Charge and Document)	
02351ECK	CR5P16BASD7C	NE40E-X16A Basic Configuration (Including NE40E-X16A Chassis, 2 MPUs, 4 SFUs(1T), 14 HVDC Power,6 Fan Tray,without Software	

BOM Number	Order Name	Description	Remarks
		Charge and Document)	
02351PGU	CR5P16BASD7G	NE40E-X16A Basic Configuration (Including NE40E-X16A Chassis, 2 MPUs, 4 SFUs(2T), 13 DC Power, 6 Fan Tray, without Software Charge and Document)	
02351PGV	CR5P16BASA7G	NE40E-X16A Basic Configuration (Including NE40E-X16A Chassis, 2 MPUs, 4 SFUs(2T), 16 AC Power, 6 Fan Tray, without Software Charge and Document)	
02351PGW	CR5P16BASH72	NE40E-X16A Basic Configuration (Including NE40E-X16A Chassis, 2 MPUs, 4 SFUs(2T), 16 HVDC Power, 6 Fan Tray, without Software Charge and Document)	
02352GEH	CR5B0BKP1679	NE40E-X16A Integrated 。DC Chassis Components(2T-B,Including 6 Fan Tray)	
02359914	CR5B0BKP1673	NE40E-X16A Integrated DC Chassis Components(Including 4 Fan Tray)	
02359915	CR5B0BKP1674	NE40E-X16A Integrated AC Chassis Components(Including 4 Fan Tray)	
02351CBD	CR5B0BKP1675	NE40E-X16A Integrated HVDC Chassis Components(Including 4 Fan Tray)	
02351PJP	CR5B0BKP1676	NE40E-X16A Integrated DC Chassis Components(2T,Including 6 Fan Tray)	
02351PJQ	CR5B0BKP1677	NE40E-X16A Integrated AC Chassis Components(2T,Including 6 Fan Tray)	
02351PJR	CR5B0BKP1678	NE40E-X16A Integrated HVDC Chassis Components(2T,Including 6 Fan Tray)	
03058811	CR5DMPUX8671	Main Processing Unit B6	
03057244	CR5D0MPUB571	Main Processing Unit B5(16G Memory)	
03055780	CR5DSFUIM07B	480Gbps Switch Fabric Unit B(SFUI-480-B)	
03057824	CR5DSFUIM17B	480Gbps Switch Fabric Unit B(SFUI-480-B)	
03056091	CR5DSFUIU07B	1Tbps Switch Fabric Unit B(SFUI-1T-B)	
03057825	CR5DSFUIT27B	2Tbps Switch Fabric Unit B(SFUI-2T-B)	
03058859	CR5D0MPUB871	Main Processing Unit B8	
03058565	CR5DSFUIT27E	2Tbps Switch Fabric Unit E(SFUI-2T-E)	

NE40E-X8A Basic Configurations

BOM Number	Order Name	Description	Remarks
02350AUE	CR5P08BASD76	NE40E-X8A Basic Configuration (Including NE40E-X8A Chassis,2 SRUs,2 SFUs(480G),4 DC Power,2 Fan Tray, without Software Charge and Document)	
02350AUF	CR5P08BASA76	NE40E-X8A Basic Configuration (Including NE40E-X8A Chassis,2 SRUs,2 SFUs(480G),6 AC Power,2 Fan Tray,without Software Charge and Document)	
02351ECN	CR5P08BASD7A	NE40E-X8A Basic Configuration (Including NE40E-X8A Chassis,2 SRUs,2 SFUs(480G),6 HVDC Power,2 Fan Tray, without Software Charge and Document)	
02351PGX	CR5P08BASD7D	NE40E-X8A Basic Configuration (Including NE40E-X8A Chassis,2 SRUs,2 SFUs(480G),4 DC Power,2 Fan Tray, without Software Charge and Document)	
02351PHA	CR5P08BASA7D	NE40E-X8A Basic Configuration (Including NE40E-X8A Chassis,2 SRUs,2 SFUs(480G),6 AC Power,2 Fan Tray,without Software Charge and Document)	
02351PHB	CR5P08BASH71	NE40E-X8A Basic Configuration (Including NE40E-X8A Chassis,2 SRUs,2 SFUs(480G),6 HVDC Power,2 Fan Tray, without Software Charge and Document)	
02350AUG	CR5P08BASD77	NE40E-X8A Basic Configuration (Including NE40E-X8A Chassis,2 SRUs,2 SFUs(1T),6 DC Power,3 Fan Tray,without Software Charge and Document)	
02350AUH	CR5P08BASA77	NE40E-X8A Basic Configuration (Including NE40E-X8A Chassis,2 SRUs,2 SFUs(1T),8 AC Power,3 Fan Tray,without Software Charge and Document)	
02351ECP	CR5P08BASD7B	NE40E-X8A Basic Configuration (Including NE40E-X8A Chassis,2 SRUs,2 SFUs(1T),8 HVDC Power,3 Fan Tray,without Software Charge and Document)	
02350AFW	CR5B0BKP0871	NE40E-X8A Integrated Chassis DC Components(Including 2 Fan Tray)	
02351CCF	CR5B0BKP0873	NE40E-X8A Integrated Chassis HVDC Components(Including 2 Fan Tray)	
02350AFX	CR5B0BKP0872	NE40E-X8A Integrated Chassis AC Components(Including 2 Fan Tray)	
02352GEJ	CR5B0BKP0877	NE40E-X8A Integrated Chassis DC Components(2T-B, Including 3 Fan Tray)	
03057257	CR5D0SRUA871	Switch and Route Processing Unit A8(16G Memory)	
03056095	CR5DSFUIM07	480Gbps Switch Fabric Unit C(SFUI-480-C)	

BOM Number	Order Name	Description	Remarks
	C		
03057822	CR5D0SRUA872	Switch and Route Processing Unit A8(16G Memory)	
03057823	CR5DSFUIM17C	480Gbps Switch Fabric Unit C(SFUI-480-C)	
03057261	CR5D0SRUA971	Switch and Route Processing Unit A9(16G Memory)	
03056094	CR5DSFUIU07C	1Tbps Switch Fabric Unit C(SFUI-1T-C)	
02351TWT	CR5P08BASD7G	NE40E-X8A Basic Configuration (Including NE40E-X8A Chassis, 2 SRUs, 2 SFUs(2T), 8 DC Power, 3 Fan Tray, without Software Charge and Document)	
02351TWU	CR5P08BASA7G	NE40E-X8A Basic Configuration (Including NE40E-X8A Chassis, 2 SRUs, 2 SFUs(2T), 8 AC Power, 3 Fan Tray, without Software Charge and Document)	
02351TWV	CR5P08BASH72	NE40E-X8A Basic Configuration (Including NE40E-X8A Chassis, 2 SRUs, 2 SFUs(2T), 8 HVDC Power, 3 Fan Tray,without Software Charge and Document)	
02351TWW	CR5B0BKP0874	NE40E-X8A Integrated Chassis DC Components(2T, Including 3 Fan Tray)	
02351TWY	CR5B0BKP0875	NE40E-X8A Integrated Chassis HVDC Components(2T, Including 3 Fan Tray)	
02351TXA	CR5B0BKP0876	NE40E-X8A Integrated Chassis AC Components(2T, Including 3 Fan Tray)	
03058135	CR5D0SRUAA70	Switch and Route Processing Unit A10(32G Memory)	
03058136	CR5DSFUIU07D	2Tbps Switch Fabric Unit D(SFUI-2T-D)	
03058860	CR5D0SRUAC71	Switch and Route Processing Unit A16	
03058568	CR5DSFUIU07F	2Tbps Switch Fabric Unit F(SFUI-2T-F)	

NE40E-X3A Basic Configurations

BOM Number	Order Name	Description	Remarks
02350FWN	CR5P03BASD75	NE40E-X3A Basic Configuration (Including NE40E-X3A Chassis,2 MPUs, 2 DC Power,without Software Charge and Document)	
02350FWP	CR5P03BASA75	NE40E-X3A Basic Configuration (Including NE40E-X3A Chassis,2 MPUs, 2 AC Power,without Software Charge and Document)	

BOM Number	Order Name	Description	Remarks
03057248	CR5D0MPUD471	Main Processing Unit D4(16G Memory)	
02350FMK	CR5B0BKP0373	NE40E-X3A Integrated DC Chassis Components (Including Dual DC Power)	
02350FML	CR5B0BKP0374	NE40E-X3A Integrated AC Chassis Components (Including Dual AC Power)	

NE40E-X16 Basic Configurations

BOM Number	Order Name	Description	Remarks
02359180	CR5P16BASD74	NE40E-X16 Basic Configuration (Including NE40E-X16 Chassis, 2 MPUs, 4 SFUs(200G), 8 DC Power, without Software Charge and Document)	
02359181	CR5P16BASA74	NE40E-X16 Basic Configuration (Including NE40E-X16 Chassis, 2 MPUs, 4 SFUs(200G), 8 AC Power, without Software Charge and Document)	
02351931	CR5B0BKP1670	NE40E-X16 Integrated Chassis Components (Including 8 DC Power)	
03057244	CR5D0MPUB571	Main Processing Unit B5(16G Memory)	
03053547	CR5DSFUIE07B	200Gbps Switch Fabric Unit B(SFUI-200-B)	
02351AFK	CR5P16BASA7H	NE40E-X16 Basic Configuration (Including NE40E-X16 Chassis, 2 MPUs, 4 SFUs(200G), 8 AC Power(Power Cords Cable), without Software Charge and Document)	

NE40E-X8 Basic Configurations

BOM Number	Order Name	Description	Remarks
02350REH	CR5P08BASD79	NE40E-X8 Basic Configuration (Including NE40E-X8 Chassis, 2+1 Redundant 200G SRU/SFU, 4 DC Power, without Software Charge and Document)	
02350REJ	CR5P08BASA75	NE40E-X8 Basic Configuration (Including NE40E-X8 Chassis, 2+1 Redundant 200G SRU/SFU,4 AC Power, without Software Charge and Document)	
02351930	CR5B0BKP0870	NE40E-X8 Integrated Chassis Components (Including 4 DC Power)	
03057054	CR5D0SRUB570	Switch and Route Processing Unit B5	
03053548	CR5DSFUIE07C	200Gbps Switch Fabric Unit C(SFUI-200-C)	

BOM Number	Order Name	Description	Remarks
02351AFJ	CR5P08BASA7H	NE40E-X8 Basic Configuration (Including NE40E-X8 Chassis, 2+1 Redundant 200G SRU/SFU,4 AC Power(Power Cords Cable), without Software Charge and Document)	

NE40E-X3 Basic Configurations

BOM Number	Order Name	Description	Remarks
02351596	CR52-BKPE-4U-DC	Integrated DC Chassis Components(NE40E-X3)-4U,Including Dual DC Power	
02355250	CR5B0BKP0370	NE40E-X3 Integrated AC Chassis Components, (Including Dual AC Power)	
03055705	CR5D0MPUD270	Main Processing Unit D3(Including 4G Memory and 2G USB)	
02358577	CR5P03BASD73	NE40E-X3 Basic Configuration (Include NE40E-X3 Chassis,2 MPUs, 2 DC Power,without Software Charge and Document)	
02358578	CR5P03BASA73	NE40E-X3 Basic Configuration (Include NE40E-X3 Chassis,2 MPUs, 2 AC Power(2200W),without Software Charge and Document)	

NE40E-X16A/X8A/X16/X8 Powers

BOM Number	Order Name	Description	Remarks
02120560	CR5M000PEM60	48V DC Power Entry Module	
02400376	CR5B0PWRBX60	Power Distribution Cabinet,220V,50/60HZ,72000mA,EPS200-4850A	
02310FJD	R4850G	Rectifier Module, R4850, 2U, 3000W, High Efficiency	
02311CNP	PDC-2200WB	PSU-PDC-2200WB-PM2200W DC Power Supply	
02310VMA	PHD-3000WA	3000W AC&HVDC Power Module	

NE40E-X3A/X3 Powers

BOM Number	Order Name	Description	Remarks
02120529	CR52-PEMA	48V DC Power Entry Module	
02310MKG	CR5MPWRBX070	Box Module,AC power,548.9mm*217.6mm*41.2mm,sheet metal	
02310FFA	CR5MPWRAC070	Function Module,1U 2200W Rectifier,Power Only	

BOM Number	Order Name	Description	Remarks
02121615	CR5B0PWRDC71	48V DC Power Entry Module	
02131177	CR5B0PWRAC71	3000W AC&HVDC Power Module	

CF/SDRAM/Other Components

BOM Number	Order Name	Description	Remarks
02310MDH	CF-2G	2G CF Module	
02316431	MEM-2G-240pin	2GB 240pin Memory Module	
02310WTG	E008DDR10	8GB 240pin Memory Module	
33010293	ESSSensor	Sensor-Smoke Sensor-12VDC-2 wire current mode output	
33010286	ETHSensor	Temperature&Humidity Sensor,15V~24VDC,(+/-)0.8degC)/(+/-)5%RH(15~50)Celsius degree	
02120562	CR5M000FBX60	Fan Box	
02120866	E000FBX08	Fan Box	
02122112	CR5M000FBX72	Fan tray assembly 2.0	
02121143	CR5M000FBX71	Fan Box	
02120514	CR5M000FBX61	Fan Box	
21243016	CR5B16NISE70	X16A total reflection noise reduction module	
21243266	CR5B08NISE70	X8A total reflection noise reduction module	
02122365	CR5M000FBX74	Fan Tray Assembly-T 2.0	

Service Interface Boards

NE40E Series 20G Integrated Line Processing Units("●" indicates supported items, "-" indicates unsupported items).

BOM	Order Name	Description	-	-	-	-	-	-	Remarks

NE40E Series 50G Flexible Card Line Processing Units("●" indicates supported items, "-" indicates unsupported items).

BOM	Order Name	Description	-	-	-	-	-	-	Remarks
03057436	CR5DLPUF5071	Flexible Card Line Processing Unit(LPUF-50,four sub-slots,4G	●	●	●	●	●	●	

BOM	Order Name	Description	-	-	-	-	-	-	Remarks
		Memory)							
03030KNE	CR5M0E8GFA30	8-Port 100/1000Base-X-SFP Flexible Card A(P10-A,Supporting 1588v2)	●	●	●	●	●	●	
03030NSK	CR5D0L2XFA70	2-Port 10GBase WAN/LAN-SFP+ Flexible Card A	●	●	●	●	●	●	
03030JUA	CR53-P10-8xPOS/STM1-SFP	8-Port OC-3c/STM-1c POS-SFP Flexible Card	●	●	●	●	●	●	
03030JTY	CR53-P10-4xPOS/STM1-SFP	4-Port OC-3c/STM-1c POS-SFP Flexible Card	●	●	●	●	●	●	
03031JYH	CR5D00P2CF70	2-Port OC-3c/STM-1c POS-SFP Flexible Card	●	●	●	●	●	●	
03030KHP	CR53-P10-24xcE1/cT1-DB100	24-Port Channelized E1/T1-DB100 Flexible Card	●	●	●	●	●	●	
03030KBB	CR53-P10-2xcPOS/STM1-SFP	2-Port Channelized OC-3c/STM-1c POS-SFP Flexible Card	●	●	●	●	●	●	
03031JYK	CR5D00C2CF70	2-Port Channelized STM-1c POS-SFP Flexible Card(P50)	●	●	●	●	●	●	
03030PVG	CR5D00C4CF70	4-Port Channelized STM-1c POS-SFP Flexible Card(P50)	●	●	●	●	●	●	
03030PTB	CR5D00C8CF71	8-Port Channelized STM-1c POS-SFP Flexible Card(P50)	●	●	●	●	●	●	
03030JUB	CR53-P10-8xPOS/STM4-SFP	8-Port OC-12c/STM-4c POS-SFP Flexible Card	●	●	●	●	●	●	
03030HNJ	CR53-P10-2xPOS/STM16-SFP	2-Port OC-48c/STM-16c POS-SFP Flexible Card	●	●	●	●	●	●	
03030JCX	CR53-P10-4xPOS/STM16-SFP	4-Port OC-48c/STM-16c POS-SFP Flexible Card	●	●	●	●	●	●	
03030FSL	CR53-	1-Port OC-192c/STM-	●	●	●	●	●	●	

BOM	Order Name	Description	-	-	-	-	-	-	Remarks
	P10-1xPOS/STM64-XFP	64c POS-XFP Flexible Card(Occupy two slots)							
03054483	CR5DLPUF517B	Flexible Card Line Processing Unit(LPUF-51,2 sub-slots) B	●	●	●	●	●	●	
03055189	CR5DLPUF517E	Flexible Card Line Processing Unit(LPUF-51,2 sub-slots) E	●	●	●	●	●	●	
03030PMA	CR5D0EFGFA70	24-Port 100/1000Base-X-SFP Flexible Card A(P51-A)	●	●	●	●	●	●	
03031XQJ	CR5D0EFGFE71	24-Port 1000Base-X-SFP Flexible Card E(P52-E)	-	●	●	●	●	●	
03030PMC	CR5D0L5XFA70	5-Port 10GBase LAN/WAN-SFP+ Flexible Card A(P51-A, Occupy two sub-slots)	●	●	●	●	●	●	
03031XPT	CR5D0L5XFE74	5-Port 10GBase LAN/WAN-SFP+ Flexible Card E(P52-E, Occupy two sub-slots)	●	●	●	●	●	●	
03031XQD	CR5D0L2XFE75	2-Port 10GBase LAN/WAN-SFP+ Flexible Card E(P52-E)	●	●	●	●	●	●	
03030PME	CR5D0L2XFA71	2-Port 10GBase LAN/WAN-SFP+ Flexible Card A(P51-A)	●	●	●	●	●	●	
03030QKN	CR5D0EEGEA70	20-Port 10/100/1000Base-RJ45 Flexible Card A(P51-A)	●	●	●	●	●	●	
03031LUU	CR5D00P2XX72	2-Port OC-192c/STM-64c POS-XFP Flexible Card(P51-A)	●	●	●	●	●	●	
03030RXS	CR5D00P8UF70	8-Port OC-48c/STM-16c POS-SFP Flexible Card(P120)	●	●	●	●	●	●	

NE40E Series 50G Integrated Line Processing Units("●" indicates supported items, "-" indicates unsupported items).

BOM	Order Name	Description	-	-	-	-	-	-	Remarks
03055052	CR5DL2XEFG7J	2-Port 10GBase LAN/WAN-SFP+ + 24-Port 100/1000Base-X-SFP Integrated Line Processing Unit E(LPUI-	●	●	●	●	●	●	

BOM	Order Name	Description	-	-	-	-	-	-	Remarks
		51-E)							
03055051	CR5D0L5XFA7J	5-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit E(LPUI-51-E)	●	●	●	●	●	●	
03057085	CR5D0L5XFA7F	5-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit E(LPUI-52-E,Enhanced HQos)	●	●	●	●	●	●	
03057086	CR5DL2XFFG7E	2-Port 10GBase LAN/WAN-SFP+ +24-Port 1000Base-X-SFP Integrated Line Processing Unit E(LPUI-52-E,Enhanced HQos)	-	●	●	●	●	●	
03055053	CR5D0EMGFA7J	48-Port 100/1000Base-X-SFP Integrated Line Processing Unit E(LPUI-51-E)	●	●	●	●	●	●	

NE40E Series 120G Flexible Card Line Processing Units("●" indicates supported items, "-" indicates unsupported items).

BOM	Order Name	Description	-	-	-	-	-	-	Remarks
03054679	CR5DLPUFB070	Flexible Card Line Processing Unit(LPUF-120)	●	●	●	●	●	●	
03054680	CR5DLPUFB07B	Flexible Card Line Processing Unit(LPUF-120) B	●	●	●	●	●	●	
03054628	CR5DLPUFB07E	Flexible Card Line Processing Unit(LPUF-120) E	●	●	●	●	●	●	
03030QDE	CR5D0L6XFA70	6-Port 10GBase LAN/WAN-SFP+ Flexible Card A(P120-A)	●	●	●	●	●	●	
03030PYU	CR5D00E1NC75	1-Port 100GBase-CFP Flexible Card A(P120-A)	●	●	●	●	●	●	
03032GKY	CR5D00E1NC77	1-Port 100GBase-CFP2 Flexible Card A(P120-A)	●	●	●	●	●	●	
03032HGF	CR5D00E1ND70	1-Port 100GBase-QSFP28 Flexible Card A(P120-A)	●	●	●	●	●	●	
03030NVF	CR5D00LBXF72	12-Port 10GBase LAN/WAN-SFP+ Flexible Card A(P120-A)	●	●	●	●	●	●	

BOM	Order Name	Description	-	-	-	-	-	-	Remarks
03030PMN	CR5D0EFGFA71	24-Port 100/1000Base-X-SFP Flexible Card A(P101-A)	●	●	●	●	●	●	
03031XQJ	CR5D0EFGFE71	24-Port 1000Base-X-SFP Flexible Card E(P52-E)	-	●	●	●	●	●	
03030PMK	CR5D0L5XFA72	5-Port 10GBase LAN/WAN-SFP+ Flexible Card A(P101-A)	●	●	●	●	●	●	
03031XPV	CR5D0L5XFE76	5-Port 10GBase LAN/WAN-SFP+ Flexible Card E(P120-E)	●	●	●	●	●	●	
03030PMQ	CR5D00E1MC70	1-Port 40GBase LAN-CFP Flexible Card A(P101-A)	●	●	●	●	●	●	
03030RXS	CR5D00P8UF70	8-Port OC-48c/STM-16c POS-SFP Flexible Card(P120)	●	●	●	●	●	●	
03031LUU	CR5D00P2XX72	2-Port OC-192c/STM-64c POS-XFP Flexible Card(P51-A)	●	●	●	●	●	●	
03030QKN	CR5D0EEGEA70	20-Port 10/100/1000Base-RJ45 Flexible Card A(P51-A)	●	●	●	●	●	●	
03032MVX	CR5DE2VE1N70	2-Port 50GBase/1-Port 100GBase-QSFP28 FlexE Flexible Card (P120)	●	●	●	●	●	●	
03031XQD	CR5D0L2XFE75	2-Port 10GBase LAN/WAN-SFP+ Flexible Card E(P52-E)	●	●	●	●	●	●	
03030PME	CR5D0L2XFA71	2-Port 10GBase LAN/WAN-SFP+ Flexible Card A(P51-A)	●	●	●	●	●	●	

NE40E Series 120G Integrated Line Processing Units("●" indicates supported items, "-" indicates unsupported items).

BOM	Order Name	Description	-	-	-	-	-	-	Remarks
03054681	CR5D0LBXFA70	12-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit(LPUI-120)	●	●	●	●	●	●	
03054682	CR5D0E2MCA70	2-Port 40GBase LAN-CFP Integrated Line Processing Unit(LPUI-	●	●	●	●	●	●	

BOM	Order Name	Description	-	-	-	-	-	-	Remarks
		120)							
03054683	CR5D00E1NC76	1-Port 100GBase-CFP Integrated Line Processing Unit (LPUI-120)	●	●	●	●	●	●	
03057445	CR5D00E1NC78	1-Port 100GBase-CFP2 Integrated Line Processing Unit (LPUI-120)	●	●	●	●	●	●	
03057482	CR5D00E1ND71	1-Port 100GBase-QSFP28 Integrated Line Processing Unit (LPUI-120)	●	●	●	●	●	●	
03054684	CR5D0LBXFA7B	12-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B(LPUI-120-B)	●	●	●	●	●	●	
03054685	CR5D0E2MCA7B	2-Port 40GBase LAN-CFP Integrated Line Processing Unit B(LPUI-120-B)	●	●	●	●	●	●	
03054686	CR5D00E1NC7B	1-Port 100GBase-CFP Integrated Line Processing Unit B(LPUI-120-B)	●	●	●	●	●	●	
03057446	CR5D00E1NC7C	1-Port 100GBase-CFP2 Integrated Line Processing Unit B(LPUI-120-B)	●	●	●	●	●	●	
03057483	CR5D00E1ND72	1-Port 100GBase-QSFP28 Integrated Line Processing Unit B(LPUI-120-B)	●	●	●	●	●	●	
03057087	CR5DLAXFAJ7F	10-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit E(LPUI-120-E)	●	●	●	●	●	●	

NE40E Series 200G Flexible Card Line Processing Units("●" indicates supported items, "-" indicates unsupported items).

BOM	Order Name	Description	-	-	-	-	-	-	Remarks
03056598	CR5DLPUFE070	Flexible Card Line Processing Unit(LPUF-200)	-	-	-	●	●	●	
03057713	CR5DLPU	Flexible Card Line Processing Unit	-	-	-	●	●	●	

BOM	Order Name	Description	-	-	-	-	-	-	Remarks
	FE07B	B(LPUF-200-B)							
03030QDF	CR5D00E1NC74	1-Port 100GBase-CFP Flexible Card A(P240-A)	-	●	●	●	●	●	
03032GLA	CR5D00E1NC7A	1-Port 100GBase-CFP2 Flexible Card A(P240-A)	●	●	●	●	●	●	
03032HGG	CR5D00E1ND73	1-Port 100GBase-QSFP28 Flexible Card A(P240-A)	●	●	●	●	●	●	
03030TUL	CR5D00LAXF70	10-Port 10GBase LAN/WAN-SFP+ Flexible Card A(P240-A)	●	-	-	●	●	●	
03030QDD	CR5D00LBXF71	12-Port 10GBase LAN/WAN-SFP+ Flexible Card A(P240-A)	●	●	●	●	●	●	

NE40E Series 200G Integrated Line Processing Units("●" indicates supported items, "-" indicates unsupported items).

BOM	Order Name	Description	-	-	-	-	-	-	Remarks
03056862	CR5D00E2NC76	2-Port 100GBase-CFP Integrated Line Processing Unit(LPUI-200)	-	-	-	●	●	●	
03056863	CR5D00LEXF76	20-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit(LPUI-200)	-	-	-	●	●	●	
03056864	CR5DE1NLAX76	1-Port 100GBase-CFP + 10-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit(LPUI-200)	-	-	-	●	●	●	

NE40E Series 240G Flexible Card Line Processing Units("●" indicates supported items, "-" indicates unsupported items).

BOM	Order Name	Description	-	-	-	-	-	-	Remarks
03058310	CR5DLPUFF170	Flexible Card Line Processing Unit(LPUF-241)	●	-	-	●	●	●	
03030QDE	CR5D0L6XFA70	6-Port 10GBase LAN/WAN-SFP+ Flexible Card A(P120-A)	●	●	●	●	●	●	
03030TUL	CR5D00LAXF70	10-Port 10GBase LAN/WAN-SFP+	●	-	-	●	●	●	

BOM	Order Name	Description	-	-	-	-	-	-	Remarks
		Flexible Card A(P240-A)							
03030QDD	CR5D00LBXF71	12-Port 10GBase LAN/WAN-SFP+ Flexible Card A(P240-A)	●	●	●	●	●	●	
03030PMN	CR5D0EFGFA71	24-Port 100/1000Base-X-SFP Flexible Card A(P101-A)	●	●	●	●	●	●	
03032MVX	CR5DE2VE1N70	2-Port 50GBase/1-Port 100GBase-QSFP28 FlexE Flexible Card (P120)	●	●	●	●	●	●	
03032HGG	CR5D00E1ND73	1-Port 100GBase-QSFP28 Flexible Card A(P240-A)	●	●	●	●	●	●	
03030RXS	CR5D00P8UF70	8-Port OC-48c/STM-16c POS-SFP Flexible Card(P120)	●	●	●	●	●	●	
03032PCD	CR5D00T1NC70	1-Port 100G OTN/ETH-CFP2 Flexible Card(P240)	●	●	●	●	●	●	
03031LUU	CR5D00P2XX72	2-Port OC-192c/STM-64c POS-XFP Flexible Card(P51-A)	●	●	●	●	●	●	
03032GLA	CR5D00E1NC7A	1-Port 100GBase-CFP2 Flexible Card A(P240-A)	●	●	●	●	●	●	
03058303	CR5DLPUFF17E	Flexible Card Line Processing Unit(LPUF-241-E)	-	-	-	-	●	●	
03032WVS	CR5D0LBXFE7E	12-Port 10GBase LAN/WAN-SFP+ Flexible Card E(P241-E)	-	-	-	-	●	●	
03032WVV	CR5D00L1NC7E	1-Port 100GBase-CFP2 Flexible Card E(P241-E)	-	-	-	-	●	●	
03030TUQ	CR5D0LAXFE70	10-Port 10GBase LAN/WAN-SFP+ Flexible Card E(P240-E)	-	●	●	-	●	●	
03031XQJ	CR5D0EFGFE71	24-Port 1000Base-X-SFP Flexible Card E(P52-E)	-	●	●	●	●	●	
03054690	CR5DLPUFF070	Flexible Card Line Processing Unit(LPUF-240)	-	●	●	-	●	●	
03054698	CR5DLPUFF07B	Flexible Card Line Processing Unit(LPUF-240-B)	-	●	●	-	●	●	
03055720	CR5DLPUFF07E	Flexible Card Line Processing Unit(LPUF-	-	●	●	-	●	●	

BOM	Order Name	Description	-	-	-	-	-	-	Remarks
		240-E)							
03030QDF	CR5D00E1NC74	1-Port 100GBase-CFP Flexible Card A(P240-A)	-	●	●	●	●	●	
03032GLA	CR5D00E1NC7A	1-Port 100GBase-CFP2 Flexible Card A(P240-A)	●	●	●	●	●	●	
03032HGG	CR5D00E1ND73	1-Port 100GBase-QSFP28 Flexible Card A(P240-A)	●	●	●	●	●	●	
03030QDD	CR5D00LBXF71	12-Port 10GBase LAN/WAN-SFP+ Flexible Card A(P240-A)	●	●	●	●	●	●	
03030TUQ	CR5D0LAXFE70	10-Port 10GBase LAN/WAN-SFP+ Flexible Card E(P240-E)	-	●	●	-	●	●	
03030WGT	CR5D0E3MFA70	3-Port 40GBase-QSFP+ Flexible Card(P240-A)	-	●	●	-	●	●	
03030PMN	CR5D0EFGFA71	24-Port 100/1000Base-X-SFP Flexible Card A(P101-A)	●	●	●	●	●	●	
03032MVX	CR5DE2VE1N70	2-Port 50GBase/1-Port 100GBase-QSFP28 FlexE Flexible Card (P120)	●	●	●	●	●	●	
03031XQJ	CR5D0EFGFE71	24-Port 1000Base-X-SFP Flexible Card E(P52-E)	-	●	●	●	●	●	
03030QDE	CR5D0L6XFA70	6-Port 10GBase LAN/WAN-SFP+ Flexible Card A(P120-A)	●	●	●	●	●	●	
03030PME	CR5D0L2XFA71	2-Port 10GBase LAN/WAN-SFP+ Flexible Card A(P51-A)	●	●	●	●	●	●	

NE40E Series 240G Integrated Line Processing Units("●" indicates supported items, "-" indicates unsupported items).

BOM	Order Name	Description	-	-	-	-	-	-	Remarks
03058321	CR5DEKBEBX7B	1-Port 100GBase-QSFP28 + 12-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B(LPUI-241-B)	●	-	-	●	●	●	
03058320	CR5DEKBEBX70	1-Port 100GBase-QSFP28 + 12-Port 10GBase LAN/WAN-SFP+ Integrated Line	●	-	-	●	●	●	

BOM	Order Name	Description	-	-	-	-	-	-	Remarks
		Processing Unit (LPUI-241)							
03058318	CR5DE1KEBX7B	1-Port 100GBase-CFP2 + 12-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B(LPUI-241-B)	●	-	-	●	●	●	
03058319	CR5DE1KEBX70	1-Port 100GBase-CFP2 + 12-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit (LPUI-241)	●	-	-	●	●	●	
03058317	CR5DF1EFXC7B	24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B(LPUI-241-B)	●	-	-	●	●	●	
03058316	CR5DF1EFXC70	24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit (LPUI-241)	●	-	-	●	●	●	
03058313	CR5DF1E2NB7B	2-Port 100GBase-QSFP28 Integrated Line Processing Unit B(LPUI-241-B)	●	-	-	●	●	●	
03058312	CR5DF1E2NB70	2-Port 100GBase-QSFP28 Integrated Line Processing Unit (LPUI-241)	●	-	-	●	●	●	
03058314	CR5DF1E2NC7B	2-Port 100GBase-CFP2 Integrated Line Processing Unit B(LPUI-241-B)	●	-	-	●	●	●	
03058315	CR5DF1E2NC70	2-Port 100GBase-CFP2 Integrated Line Processing Unit (LPUI-241)	●	-	-	●	●	●	
03054691	CR5D00E2NC70	2-Port 100GBase-CFP Integrated Line Processing Unit (LPUI-240)	-	●	●	-	●	●	
03057447	CR5D00E2NC71	2-Port 100GBase-CFP2 Integrated Line Processing Unit (LPUI-240)	-	●	●	-	●	●	
03057484	CR5D00E2ND70	2-Port 100GBase-QSFP28 Integrated Line Processing Unit B(LPUI-	-	●	●	-	●	●	

BOM	Order Name	Description	-	-	-	-	-	-	Remarks
		240-B)							
03054692	CR5D00LFXF70	24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit (LPUI-240)	-	●	●	-	●	●	
03054693	CR5DE2NLBX70	1-Port 100GBase-CFP + 12-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit (LPUI-240)	-	●	●	-	●	●	
03057448	CR5DE1NLBX70	1-Port 100GBase-CFP2 + 12-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit (LPUI-240)	-	●	●	-	●	●	
03057485	CR5DE1NLBX72	1-Port 100GBase-QSFP28 + 12-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit (LPUI-240)	-	●	●	-	●	●	
03056105	CR5D0E6MFA70	6-Port 40GBase-QSFP+ Integrated Line Processing Unit (LPUI-240)	-	●	●	-	●	●	
03054694	CR5D00E2NC73	2-Port 100GBase LAN-CFP Integrated Line Processing Unit B(LPUI-240-B)	-	●	●	-	●	●	
03057449	CR5D00E2NC74	2-Port 100GBase-CFP2 Integrated Line Processing Unit B(LPUI-240-B)	-	●	●	-	●	●	
03057486	CR5D00E2ND71	2-Port 100GBase-QSFP28 Integrated Line Processing Unit B(LPUI-240-B)	-	●	●	-	●	●	
03054695	CR5D00LFXF73	24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B(LPUI-240-B)	-	●	●	-	●	●	
03054696	CR5DE2NLBX73	1-Port 100GBase-CFP + 12-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B(LPUI-240-B)	-	●	●	-	●	●	

BOM	Order Name	Description	-	-	-	-	-	-	Remarks
03057450	CR5DE1NLBX71	1-Port 100GBase-CFP2 + 12-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B(LPUI-240-B)	-	●	●	-	●	●	
03057487	CR5DE1NLBX73	1-Port 100GBase-QSFP28 + 12-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B(LPUI-240-B)	-	●	●	-	●	●	
03056106	CR5D0E6MFA71	6-Port 40GBase-QSFP+ Integrated Line Processing Unit (LPUI-240-B)	-	●	●	-	●	●	

NE40E Series 480G Flexible Card Line Processing Units("●" indicates supported items, "-" indicates unsupported items).

BOM	Order Name	Description	-	-	-	-	-	-	Remarks
03057313	CR5DLPUFME70	Flexible Card Line Processing Unit E(LPUF-480-E)	-	-	-	-	●	●	
03055820	CR5DLPUFM070	Flexible Card Line Processing Unit(LPUF-480)	-	-	-	-	●	●	
03057035	CR5DLPUFM07B	Flexible Card Line Processing Unit B(LPUF-480-B)	-	-	-	-	●	●	
03057842	CR5DLPUFME71	Flexible Card Line Processing Unit E(LPUF-480-E)	-	-	-	-	●	●	
03057844	CR5DLPUFM071	Flexible Card Line Processing Unit(LPUF-480)	-	-	-	-	●	●	
03057845	CR5DLPUFM17B	Flexible Card Line Processing Unit B(LPUF-480-B)	-	-	-	-	●	●	
03030SWH	CR5D00E2NC72	2-Port 100GBase-CFP2 Flexible Card A(P480-A)	-	-	-	-	●	●	
03032TGQ	CR5D00E2NC77	2-Port 100GBase-CFP2 Flexible Card A(P480-A)	-	-	-	-	●	●	
03032KKL	CR5D00E2NF70	2-Port 100GBase-QSFP28 Flexible Card A(P480-A)	-	-	-	-	●	●	
03030SW	CR5D00L	24-Port 10GBase LAN/WAN-SFP+	-	-	-	-	●	●	

BOM	Order Name	Description	-	-	-	-	-	-	Remarks
L	FXF74	Flexible Card A(P480-A)							

NE40E Series 480G Integrated Line Processing Units("●" indicates supported items, "-" indicates unsupported items).

BOM	Order Name	Description	-	-	-	-	-	-	Remarks
03055821	CR5D00LMXF70	48-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit (LPUI-480)	-	-	-	-	●	●	
03055838	CR5DE2NLFX70	2-Port 100GBase-CFP2 + 24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit (LPUI-480)	-	-	-	-	●	●	
03057599	CR5DE2NLFX71	2-Port 100GBase-QSFP28 + 24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit (LPUI-480)	-	-	-	-	●	●	
03056318	CR5D00E4NC70	4-Port 100GBase-CFP2 Integrated Line Processing Unit (LPUI-480)	-	-	-	-	●	●	
03057894	CR5D00E4NB70	4-Port 100GBase-QSFP28 Integrated Line Processing Unit (LPUI-480)	-	-	-	-	●	●	
03057846	CR5D00LMXF71	48-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit (LPUI-480)	-	-	-	-	●	●	
03057847	CR5DE2NLFX74	2-Port 100GBase-CFP2 + 24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit (LPUI-480)	-	-	-	-	●	●	
03057848	CR5D00E4NC71	4-Port 100GBase-CFP2 Integrated Line Processing Unit (LPUI-480)	-	-	-	-	●	●	
03057036	CR5D00LMXF7B	48-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B(LPUI-	-	-	-	-	●	●	

BOM	Order Name	Description	-	-	-	-	-	-	Remarks
		480-B)							
03057037	CR5DE2NLFX7B	2-Port 100GBase-CFP2 + 24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B(LPUI-480-B)	-	-	-	-	●	●	
03057600	CR5DE2NLFX72	2-Port 100GBase-QSFP28 + 24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B(LPUI-480-B)	-	-	-	-	●	●	
03057039	CR5D00E4NC7B	4-Port 100GBase-CFP2 Integrated Line Processing Unit B(LPUI-480-B)	-	-	-	-	●	●	
03057895	CR5D00E4NB7B	4-Port 100GBase-QSFP28 Integrated Line Processing Unit B(LPUI-480-B)	-	-	-	-	●	●	
03057849	CR5D01LMXF7B	48-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B(LPUI-480-B)	-	-	-	-	●	●	
03057850	CR5DE2NLFX75	2-Port 100GBase-CFP2 + 24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B(LPUI-480-B)	-	-	-	-	●	●	
03057851	CR5D01E4NC7B	4-Port 100GBase-CFP2 Integrated Line Processing Unit B(LPUI-480-B)	-	-	-	-	●	●	

NE40E Series 1T Integrated Line Processing Units("●" indicates supported items, "-" indicates unsupported items).

BOM	Order Name	Description	-	-	-	-	-	-	Remarks
03056088	CR5D00E8NC70	8-Port 100GBase-CFP2 Integrated Line Processing Unit (LPUI-1T)	-	-	-	-	●	●	
03056888	CR5D00E8NC7B	8-Port 100GBase-CFP2 Integrated Line Processing Unit B(LPUI-1T-B)	-	-	-	-	●	●	

BOM	Order Name	Description	-	-	-	-	-	-	Remarks
03058571	CR5D00E8NB70	8-Port 100GBase-QSFP28 Integrated Line Processing Unit (LPUI-1T-E)	-	-	-	-	●	●	

NE40E Series 2T Integrated Line Processing Units("●" indicates supported items, "-" indicates unsupported items).

BOM	Order Name	Description	-	-	-	-	-	-	Remarks
03057878	CR5D00EENB70	20-Port 100GBase-QSFP28 Integrated Line Processing Unit (LPUI-2T)	-	-	-	-	●	●	
03057953	CR5D00EENB7B	20-Port 100GBase-QSFP28 Integrated Line Processing Unit B(LPUI-2T-B)	-	-	-	-	●	●	

Versatile Service Boards

NE40E Series Service Process Units("●" indicates supported items, "-" indicates unsupported items).

BOM	Order Name	Description	-	-	-	-	-	-	Remarks
03054421	CR5DVSUFD010	Flexible Card Versatile Service Unit 160(VSUF-160)	-	●	●	-	●	●	
03030PTF	CR5D00SPD010	Versatile Service Flexible Card(SP160)	-	●	●	-	●	●	
03054425	CR5DVSUF8010	Flexible Card Versatile Service Unit 80(VSUF-80)	●	●	●	●	●	●	
03030PLN	CR5D00SP8010	Versatile Service Flexible Card(SP80)	●	●	●	●	●	●	

Software Configuration

Software License

BOM Number	Order Name	Description	Remarks
88033VUG	CR5S40BS8900	NetEngine40E Base SW,VRP8,V800R009	
88034LQJ	CR5S40BS8A00	NetEngine40E Base SW,VRP8,V800R010	
88035AUR	CR5S40BS8B00	NetEngine40E Base SW,VRP8,V800R011	
88034FGA	CR5P40SWF890	NetEngine40 VRP8 V800R009 Software Bundle	

BOM Number	Order Name	Description	Remarks
81400475	CR5S400EPT00	NetEngine40E&80E Ethernet Performance Test License	
82400313	CR5S40L3VN01	NetEngine40E&80E L3VPN&EVPN Function License for LPUF-51-B	
82400314	CR5S40L3VN02	NetEngine40E&80E L3VPN&EVPN Function License for LPUF-51-B	
82400378	CR5S40L3VN07	NetEngine40E L3VPN&EVPN Function License for LPUI-120-B	
82400379	CR5S40L3VN08	NetEngine40E L3VPN&EVPN Function License for LPUF-120-B	
82400380	CR5S40L3VN05	NetEngine40E L3VPN&EVPN Function License for LPUI-240-B	
82400381	CR5S40L3VN06	NetEngine40E L3VPN&EVPN Function License for LPUF-240-B	
82400798	CR5S40L3VN0A	NetEngine40E L3VPN&EVPN Function License for LPUI-480-B	
82400799	CR5S40L3VN0B	NetEngine40E L3VPN&EVPN Function License for LPUF-480-B	
82400766	CR5S40L3VN09	NetEngine40E L3VPN&EVPN Function License for LPUI-1T-B	
82400959	CR5S40L3VN0C	NetEngine40E L3VPN&EVPN Function License for LPUF-200-B	
82401139	CR5S40L3VN0E	NetEngine40E L3VPN&EVPN Function License for LPUF-241-B	
81401295	CR5S40SRV600	NetEngine40E SRv6 Function License	
81401296	CR5S40TELE00	NetEngine40E Telemetry Function License	
88034XKY	CR5S40SLAP00	NetEngine40E SLA Visible Software Package	
88035NFE	CR5S40SYNC00	NetEngine40E Clock Synchronization Package License	
88034XLA	CR5S40BNGP00	NetEngine40E BNG Software Package	
82401046	CR5S40L3VN0D	NetEngine40E L3VPN Function License for LPUI-2T-B	
81400189	CR5S40CLCK00	NetEngine40E&80E 1588v2 Function License	
81400474	CR5S400FPM00	NetEngine40E&80E IP Performance Measure License(IP FPM)	
82401071	CR5S40PE1C00	NetEngine40E Port Extension License (1 Client)	
82401072	CR5S40PE8C00	NetEngine40E Port Extension License (8 Clients)	

BOM Number	Order Name	Description	Remarks
88030BUW	CR5S40EF0000	NetEngine40E&80E Software Release Entitlement from Rn to R(n+1)	
82400852	CR5S4IPSEC00	NetEngine40E IPSec Function License for VSU Series Units	
82400802	CR5S40IPTQ00	NetEngine40E IPSec Tunnels Quantity(500)	
81400370	CR5S40BRAS02	NetEngine40E PPPoE/IPoE Function License	
82400206	CR5S40QS0100	NetEngine40E Subscribers Quantity(1k Subscribers)	
81400554	CR5SRADPXY00	NetEngine40E Radius-proxy Function License	
81400210	CR5S40L2TP00	NetEngine40E&80E L2TP Function License	
82400240	CR5S40NATS00	NetEngine40E&80E 2M NAT Session License	
88031QNW	CR5S00NATS01	NetEngine40E&80E 16M NAT session License for VSU Series Units	
82400341	CR5S4020GC00	NetEngine40E&80E 20Gbps capacity License for VSU Series Units	
82400383	CR5S400PCP01	NetEngine40E PCP license for VSU Series Units	
81400709	CR5S40XLAN00	NetEngine40E VxLAN Function License	
81400712	CR5S40GMLS00	NetEngine40E GMPLS UNI Function License	
81400279	CR5S400DAA00	NetEngine40E&80E DAA Function License	
82400332	CR5SDSLITE01	NetEngine40E&80E DS-Lite Function License for VSU Series Units	
82400382	CR5S0NAT6401	NetEngine40E NAT64 License for VSU Series Units	
81400671	CR5S40EDSG00	NetEngine40E EDSG Function License	
81400208	CR5S40MHAG00	NetEngine40E&80E Cross-chassis HAG Function License	
81400881	CR5S40IPHP08	NetEngine40E IP Hard Pipe Function Management License	
81401060	CR5S40MAPET0	NetEngine40E MAP Function License	
88034XKY	CR5S40SLAP00	NetEngine40E SLA Visible Software Package	
88034XLA	CR5S40BNGP00	NetEngine40E BNG Software Package	

Software ？

BOM Number	Order Name	Description	Remarks
88060LDK	CR5S40SRV6B1	NetEngine40E SRv6 Function License SnS(1 year)	
88060LDL	CR5S40SRV6B3	NetEngine40E SRv6 Function License SnS(3 years)	
88060LDM	CR5S40SLAP01	NetEngine40E OAM Enhanced Function License SnS(1 year)	
88060LDN	CR5S40SLAP03	NetEngine40E OAM Enhanced Function License SnS(3 years)	
88060LDP	CR5S40SYNCB1	NetEngine40E Clock Synchronization Package License SnS(1 year)	
88060LDQ	CR5S40SYNCB3	NetEngine40E Clock Synchronization Package License SnS(3 years)	
88060LDR	CR5S40SLIC11	NetEngine40E Slicing Function Package License (per 10G) SnS(1 year)	
88060LDS	CR5S40SLIC13	NetEngine40E Slicing Function Package License (per 10G) SnS(3 years)	
88060LDT	CR5S40SLIC51	NetEngine40E Slicing Function Package License (per 50G) SnS(1 year)	
88060LDU	CR5S40SLIC53	NetEngine40E Slicing Function Package License (per 50G) SnS(3 years)	
88060LDV	CR5S40SLICA1	NetEngine40E Slicing Function Package License (per 100G) SnS(1 year)	
88060LDW	CR5S40SLICA3	NetEngine40E Slicing Function Package License (per 100G) SnS(3 years)	
88060LDX	CR5S40BNGPB1	NetEngine40E BNG Software Package SnS(1 year)	
88060LDY	CR5S40BNGPB3	NetEngine40E BNG Software Package SnS(3 years)	

Documents

Documents for NE40E

BOM Number	Order Name	Description	Remarks
31189119	CR5I88DOCC10		
31189120	CR5I88DOCE10	HUAWEI NetEngine40E Universal Service Router Product Documentation	
31189378	CR5I89DOCC00		
31189371	CR5I89DOCE00	HUAWEI NetEngine40E Universal Service Router Product Documentation	
31189692	CR5I89DOCC10		

BOM Number	Order Name	Description	Remarks
31189691	CR5I89DOCE10	HUAWEI NetEngine40E Universal Service Router Product Documentation	
31189907	CR5I8ADOCC00		
31189908	CR5I8ADOCE00	HUAWEI NetEngine40E Universal Service Router Product Documentation	
31180AHC	CR5I8ADOCC10		
31180AHD	CR5I8ADOCE10	HUAWEI NetEngine40E Universal Service Router Product Documentation	
31180AHC	CR5I8ADOCC10		
31180AHD	CR5I8ADOCE10	HUAWEI NetEngine40E Universal Service Router Product Documentation	
31180ARF	CR5I8BDOCC00		
31180ARG	CR5I8BDOCE00	HUAWEI NetEngine40E Universal Service Router Product Documentation	

Optical/Electrical Transceivers

100G Optical Transceiver

BOM Number	Order Name	Description	Remarks
02310WUR	OSN010N09	High Speed Transceiver,CFP2,4*25Gb/s(1310nm Band),103.125Gb/s,-2.5dBm,4.5dBm,-8.6dBm,LC straight,SMF,10km	
02311LYG	OMND10N12	High Speed Transceiver,CFP2,850nm,10*10Gb,103.125Gb/s,-7.6dBm,1dBm,-9.5dBm,MPO,MM,0.1km	
S4017456	OSN010N04	High Speed Transceiver,CFP,1295/1300/1304/1309nm,103.125Gbps,-4.3dBm,4.5dBm,-8.6dBm,LC,SMF,10km	
02310WUS	OSN040N02	High Speed Transceiver,CFP,1310nm Band,103.125Gb/s,-2.9dBm,2.9dBm,-21.4dBm,Straight LC,SMF,40km,OMA OPTICAL POWER,100GBASE-ER4	
45030021	SS-OP-ATN-LC-5	Fixed Optical Attenuator,1260nm~1620nm-5dB-LC/PC-45dB	
45030022	SS-OP-ATN-LC-10	Fixed Optical Attenuator,1260nm~1620nm-10dB-LC/PC-45dB	
S4017457	OSN010003	Optical Transceiver,CFP,850nm,10*10.3125Gb/s,-7.6dBm,2.4dBm,-5.4dBm,mpo,MM,0.1km	
02311JNT	OSN080N10	High Speed	

BOM Number	Order Name	Description	Remarks
		Transceiver,CFP,1310nm,103.125Gb/s,2.0dBm,7.0dBm,-30.0dBm,Stright LC,SMF,80km	
02311NTY	OMND10N13	High Speed Transceiver,QSFP28,850nm,100G,-8.4dBm,2.4dBm,-10.3dBm,MPO,MM,0.1km,OM4	
02311QDH	OSN020N15	High Speed Transceiver,QSFP28,1310nm,4*25GBase,-6.5dBm,2.5dBm,-9.8dBm,LC/PC,2km (100GBASE-CWDM4)	
02311NTX	OSN010N23	High Speed Transceiver,QSFP28,1310nm,100G,-4.3dBm,4.5dBm,-8.6dBm,LC,10km	

50G Optical Transceiver

BOM Number	Order Name	Description	Remarks
02311YNR	OSL010N01	High Speed Transceiver,QSFP28,1311nm,50Gb/s,-4dBm,4.2dBm,-8.8dBm,LC,SMF,10km	
02312AXF	QSFP28-50G-1311nm-40km-SM	High Speed Transceiver,QSFP28,1310nm,53.125G,1.5dBm,8dBm,-15dBm,Stright LC,SMF,40km	

40G Optical Transceiver

BOM Number	Order Name	Description	Remarks
02310WUT	OMXD30009	Optical Transceiver,QSFP+,1310nm,41.25Gbps,-7dBm,2.3dBm,-11.5dBm,LC,SMF,10km	
02310WUU	OMXD30010	High Speed Transceiver,QSFP+,850nm,41.25Gbps,-7.6dBm,0.5dBm,-9.5dBm,MPO,MMF,0.15km	
02311AYS	OSX080N05	High Speed Transceiver,CFP,4*10Gb/s(1550 NM BAND),41.25Gb/s,-0dBm,4.5dBm,-22dBm,straight LC,SMF,80km	
S4017471	OSM010C02	High Speed Transceiver,CFP,1271~1331nm CWDM-41.25Gb/s--1dBm-3dBm--11.5dBm-LC-SM-10km	
02311BLM	OSM040C01	High Speed Transceiver,CFP,4*10Gb/s(1310 NM BAND),41.25Gb/s,-1.1dBm,3.8dBm,-18dBm,straight LC,SMF,40km,OMA OPTICAL POWER,40GBASE-ER4	

FE/GE/10GE Optical Transceiver

BOM Number	Order Name	Description	Remarks

BOM Number	Order Name	Description	Remarks
02310RAV	OEGD01N01	Optical Functional Module,1000BASE-T-SFP Module,RJ45 Electrical Module,Auto Negotiate,Longest Transimission Distance 100m	
34060286	eSFP-850nm-1000Base-Sx/FC200 MM	Optical Transceiver,eSFP,850nm,2.125Gb/s(Multi rate) ,-9.5~-2.5dBm,-17dBm,LC,MM,0.5km	
S4016067	OSG010N05	Optical transceiver,eSFP,1310nm,1.25Gb/s,-9~-3dBm,-20dBm,LC,Single Mode,10km	
S4016954	OSG040002	Optical Transceiver(eSFP,1310nm,1.25Gb/s,-5~0dBm,-23dBm,LC,SM,40km)	
34060360	eSFP-1550nm-1000Base-Zx/FC100	Optical Transceiver,eSFP,1550nm,1.25Gb/s,-2~5dBm,-23dBm,LC,SM,80km	
34060295	eSFP-GE-ZX100-SM1550	Optical Transceiver,eSFP,1550nm,1.25Gb/s,0~5dBm,-30dBm,LC,SM,100km	
34060484	eSFP-1310nm-155M-2.5G-LC-SM-2km	Optical Transceiver,eSFP,1310nm,155M~2.67G,-10~-3dBm,-18dBm,LC,SM,2km	
34060485	eSFP-SM1310-155M~2.5G-15km	Optical Transceiver,eSFP,1310nm,155M~2.67G,-5~0dBm,-21dBm,LC,SM,15km	
34060289	eSFP-1310nm-L-16.1	Optical Transceiver,eSFP,1310nm,STM16,-2~3dBm,-29dBm,LC,SM,40km	
34060488	eSFP-1550nm-L-16.2	Optical Transceiver,eSFP,1550nm,STM16,-2~3dBm,-30dBm,LC,SM,80km	
S4017482	OSX040N03	Optical Transceiver(SFP+,850nm,10Gb/s,-7.3~-1dBm,-11.1dBm,LC, MM,0.3km)	
S4017483	OSX001002	Optical Transceiver(SFP+,1310nm,10Gb/s,-8.2~0.5dBm,-12.6dBm,LC,SM,10km)	
S4017484	OMXD30002	Optical Transceiver(SFP+,1550nm,9.95~11.1Gb/s,-4.7~4dBm,-14.1dBm,LC,SM,40km)	
02311YEB	OSX040N14	Optical Transceiver(SFP+,1310nm,10Gb/s,-2dBm~4dBm,-20dBm,LC,SM,40km)	
02310PVU	OSX080N04	Optical Transceiver(SFP+,1550nm,9.953~10.3125Gb/s,0~4dBm,-24dBm,LC,SM,80km)	
34061041	OSXD50N00	XFP SFP+Transceiver-SFP+-850nm-10G/1G--7.3dBm--1dBm--9.9dBm-LC-MM-0.3km	
34061042	OSX010N13	XFP SFP+ Transceiver-SFP+-1310nm-10G/1G--8.2dbm-0.5dbm-Single-mode-14.4dbm-LC-10km	
34061043	OSX040N12	XFP SFP+ Transceiver-SFP+-1550nm-10G/1G--4.7dbm-4dbm--15.8dbm--1dbm-SM-40km	

BOM Number	Order Name	Description	Remarks
S4015798	XFP-850-FC10G/10GbE-0.3km	Optical Transceiver(XFP,850nm,10.3Gb/s,-7.3dBm~-1.3dBm,-7.5dBm,LC,Multimode,0.3Km)	
S4015772	OSX010N08	Optical Transceiver(XFP,1310nm,9.95~10.71Gb/s,-6dBm~-1dBm,-14.4dBm,Singlemode,LC,10km)	
S4015776	OSX040N09	Optical Transceiver(XFP,1550nm,9.95Gb/s to 11.1Gb/s,-1dBm~2dBm,-15dBm,LC,Singlemode,40km)	
S4015794	OSX080N06	Optical transceiver(XFP,1550nm,9.95Gb/s to 11.1Gb/s,0~4dBm,-24dBm,LC,Singlemode,80km)	

622M SFP/eSFP Optical Transceiver

BOM Number	Order Name	Description	Remarks
S4015760	OSH015N05	Optical Transceiver(eSFP,1310nm,STM4,-15dBm~-8dBm,-30dBm,Singlemode,LC,15Km)	
34060280	eSFP-1310nm-L-4.1	Optical Transceiver,eSFP,1310nm,STM4,-3~2dBm,-30dBm,LC,SM,40km	
34060284	eSFP-1550nm-L-4.2	Optical Transceiver,eSFP,1550nm,STM4,-3~2dBm,-30dBm,LC,SM,80km	

155M SFP/eSFP Optical Transceiver

BOM Number	Order Name	Description	Remarks
S4015731	SFP-FE-SX-MM1310	Optical Transceiver(SFP,1310nm,STM1,-19dBm~-14dBm,-30dBm,Multimode,LC,2km)	
S4015755	eSFP-FE-LX-SM1310	Optical Transceiver(eSFP,1310nm,STM1,-15dBm~-8dBm,-31dBm,Singlemode,LC,15Km)	
S4015715	eSFP-FE-LH40-SM1310	Optical Transceiver(eSFP,1310nm,STM1,-5dBm~0dBm,-37dBm,Singlemode,LC,40Km)	
34060282	eSFP-FE-LH80-SM1550	Optical Transceiver,eSFP,1550nm,STM1,-5~0dBm,-37dBm,LC,SM,80km	

GE CWDM Optical Transceiver

BOM Number	Order Name	Description	Remarks
34060483	eSFP-LH80-SM1471	Optical Transceiver,eSFP,1471nm,100M~2.67Gbps,5dBm,0dBm,-28dBm,LC,80Km	
34060481	eSFP-LH80-SM1491	Optical Transceiver,eSFP,1491nm,100M~2.67Gbps,5dBm,0dBm,-28dBm,LC,80Km	

BOM Number	Order Name	Description	Remarks
34060479	eSFP-LH80-SM1511	Optical Transceiver,eSFP,1511nm,100M~2.67Gbps,5dBm,0dBm,-28dBm,LC,80Km	
34060482	eSFP-LH80-SM1531	Optical Transceiver,eSFP,1531nm,100M~2.67Gbps,5dBm,0dBm,-28dBm,LC,80Km	
34060478	eSFP-LH80-SM1551	Optical Transceiver,eSFP,1551nm,100M~2.67Gbps,5dBm,0dBm,-28dBm,LC,80Km	
34060476	eSFP-LH80-SM1571	Optical Transceiver,eSFP,1571nm,100M~2.67Gbps,5dBm,0dBm,-28dBm,LC,80Km	
34060477	eSFP-LH80-SM1591	Optical Transceiver,eSFP,1591nm,100M~2.67Gbps,5dBm,0dBm,-28dBm,LC,80Km	
34060480	eSFP-LH80-SM1611	Optical Transceiver,eSFP,1611nm,100M~2.67Gbps,5dBm,0dBm,-28dBm,LC,80Km	

BIDI Optical Transceiver

BOM Number	Order Name	Description	Remarks
02310QNG	OSC015B01	Optical transceiver,eSFP,Tx 1310nm/Rx 1550nm,155M,-8dBm,-15dBm,-32dBm,LC/PC,SM,15km	
02310QNH	OSC015B02	Optical transceiver,eSFP,Tx 1550nm/Rx 1310nm,STM1,-8dBm,-15dBm,-32dBm,LC/PC,SM,15km	
34060639	eSFP-1550/1310-L1.1-BIDI	Optical Transceiver,eSFP,Tx1550/Rx1310,0.1~1.25Gb/s,-3~2dBm,-25dBm,LC,SM,40km	
34060638	eSFP-1310/1550-L1.1-BIDI	Optical Transceiver,eSFP,Tx1310/Rx1550,0.1~1.25Gb/s,-3~2dBm,-25dBm,LC,SM,40km	
34060470	SFP-GE-LX-SM1310-BIDI	Optical Transceiver,ESFP,Tx1310/Rx1490,1.25Gb/s,-3dBm,-9dBm,-19.5dBm,LC,Single Mode,10km	
34060475	SFP-GE-LX-SM1490-BIDI	Optical Transceiver,ESFP,Tx1490/Rx1310,1.25Gb/s,-3dBm,-9dBm,-19.5dBm,LC,Single Mode,10km	
34060539	OGEBIDI41	Optical Transceiver,eSFP,1310nm(Tx)/1490nm(Rx),1.25Gb/s,-2dBm,3dBm,-23dBm,LC,SM,40km	
34060540	OGEBIDI40	Optical Transceiver,eSFP,1490nm(Tx)/1310nm(Rx),1.25Gb/s,-2dBm,3dBm,-23dBm,LC,SM,40km	
34060595	OGEBIDI80	BiDi	

BOM Number	Order Name	Description	Remarks
		Transceiver,eSFP,1570nm(Tx)/1490nm(Rx),1.25Gbps,-2dBm,4dBm,-26dBm,LC,SM,80km	
34060596	OGEBIDI81	BiDi Transceiver,eSFP,1490nm(Tx)/1570nm(Rx),1.25Gbps,-2dBm,4dBm,-26dBm,LC,SM,80km	
34060544-002	OSX010B10	BiDi Transceiver,SFP+,1270nm(Tx)/1330nm(Rx),2.5~11.3Gb/s,-8.2dBm,0.5dBm,-14.4dBm,LC,SM,10km	
34060546-002	OSX010B11	BiDi Transceiver,SFP+,1330nm(Tx)/1270nm(Rx),2.5~11.3Gb/s,-8.2dBm,0.5dBm,-14.4dBm,LC,SM,10km	
02312EVV	QSFP28-50G-BIDI-10km-SM-1	BiDi Transceiver,QSFP28,1331nm(TX)/1271nm(RX),50G,-4.5dBm,4.2dBm,-8.9dBm,LC,10km	
02312EVW	QSFP28-50G-BIDI-10km-SM-2	BiDi Transceiver,QSFP28,1271nm(TX)/1331nm(RX),50G,-4.5dBm,4.2dBm,-8.9dBm,LC,10km	
02312EVY	QSFP28-50G-BIDI-40km-SM-1	BiDi Transceiver,QSFP28,1309nm(TX)/1295nm(RX),50G,1.5dBm,8dBm,-13.5dBm,LC,SMF,40km	
02312EVX	QSFP28-50G-BIDI-40km-SM-2	BiDi Transceiver,QSFP28,1295nm(TX)/1309nm(RX),50G,1.5dBm,8dBm,-13.5dBm,LC,SMF,40km	

Power Distribution Boxes

High-power distribution boxes

BOM Number	Order Name	Description	Remarks
02120641	CR5MDPD30000	DPD300-4-12 Power Distribution Box, Dual-Two Inputs	
02122145	CR5MDPD12500	DPD125-12-24 DC Power Distribution Box	
02351RRJ	CR5PPWRBXA70	DACS Power Distribution Box Basic Configuration(Include DACS Chassis,12*AC/AC Switch Module,1*DMU Monitor Module)	
02122045	CR5MPWRBXA70	APD63-4-12 DACS Distribution Box	
02311WJG	CR5M00DSBX70	DACS Switch Module	
02311WMQ	CR5M00DDMU70	DACS Monitor Module	

Breakout

100G QSFP28 Breakout Boxes

BOM Number	Order Name	Description	Remarks
02311NUA	OSM010N11	High Speed Transceiver,QSFP+,1310,41.25Gbps,-8.2dBm,0.5dBm,-12.6dBm,MPO,SM,10km	
14134759	MPO12-MPO12-SM-10	Optical Cable Parts,MPO/APC,MPO/APC,Single mode,10m,8 cores,GJFH-8G.657A2,3.5mm,LSZH,43mm Short MPO,Bending insensitive	
02082890	ODBS10040	10-Port MPO-12-40-Port LC Breakout Box (single-mode)	
14132538	MPO12-4DLC-SM-15	Optical Cable Assembly,MPO/APC,4*DLC/PC,Singlemode,GJFH 8G.657A2(LSZH),15m,3.5mm,8 Cores,0m/1m,2mm	
02310WUU	OMXD30010	High Speed Transceiver,QSFP+,850nm,41.25Gbps,-7.6dBm,0.5dBm,-9.5dBm,MPO,MMF,0.15km	
14132537	SS-OP-MPO12-4*DLC-M-5	Optical Cable Parts,MPO/PC,4DLC/PC,Multi-mode,5m,8 cores,0/1m,GJFH-8A1a.2(OM3),3.5mm,2mm,LSZH,43mm Short MPO,Bending insensitive	
14132537-005	SS-OP-MPO12-4*DLC-M-15B	Optical Cable Parts,MPO/PC,4DLC/PC,Multi-mode,15m,8 cores,0/1m,GJFH-8A1a.2(OM3),3.5mm,2mm,LSZH,43mm Short MPO,Bending insensitive	
14132537-006	SS-OP-MPO12-4*DLC-M-30	Optical Cable Parts,MPO/PC,4DLC/PC,MULTI-MODE,30m,8 CORES,0/1m,GJFH-8A1A.2(OM3),3.5MM,2mm,LSZH,43MM SHORT MPO,BENDING INSENSITIVE	
14132537-001	SS-OP-MPO12-4*DLC-M-100	Optical Cable Parts,MPO/PC,4DLC/PC,Multi-mode,100m,8 cores,0/1m,GJFH-8A1a.2(OM3),3.5mm,2mm,LSZH,43mm Short MPO,Bending insensitive	

Telescopic Slides

NE40E Series Telescopic Sides

BOM Number	Order Name	Description	Remarks
21242246	E00TSLD00	Chassis General Accessories-Telescopic slide-Square hole range-500mm~850mm	
21242247	E00TSLD01	Chassis General Accessories-Telescopic slide-Square hole range-370mm~585mm	

For More Information

For more information about the Series Routers, visit http://e.huawei.comor contact us in the following ways:

- Global service hotline:http://e.huawei.com/en/service-hotline
- Logging into the Huawei Enterprise technical support web: http://support.huawei.com/enterprise/
- Sending an email to the customer service mailbox: support_e@huawei.com

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