

NE40E Series 480G Integrated Line Processing Units Data Sheet



Product Overview

Huawei® NE40E Series Universal Service Routers support 480 Gbps integrated line processing units, LPUI-480 Series. The LPUI-480 Series line processing units handle all the network data-plane traffic-processing tasks of Huawei NE40E series universal service routers.

Figure 1. 480G Integrated Line Processing Units



4-Port 100GBase-CFP2 Integrated Line Processing Unit (LPUI-480)



2-Port 100GBase-CFP2 + 24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit (LPUI-480)



48-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit (LPUI-480)



48-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B (LPUI-480-B)



4-Port 100GBase-CFP2 Integrated Line Processing Unit B (LPUI-480-B)



2-Port 100GBase-CFP2 + 24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B (LPUI-480-B)



2-Port 100GBase-QSFP28 + 24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit (LPUI-480)



4-Port 100GBase-QSFP28 Integrated Line Processing Unit (LPUI-480)



48-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit (LPUI-480)



2-Port 100GBase-CFP2 + 24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit (LPUI-480)



4-Port 100GBase-CFP2 Integrated Line Processing Unit (LPUI-480)



2-Port 100GBase-QSFP28 + 24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B(LPUI-480-B)



4-Port 100GBase-QSFP28 Integrated Line Processing Unit B(LPUI-480-B)



48-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B(LPUI-480-B)



2-Port 100GBase-CFP2 + 24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B(LPUI-480-B)



4-Port 100GBase-CFP2 Integrated Line Processing Unit B(LPUI-480-B)

Product Features

The LPUI-480 Series supports the following integrated line processing units:

4-port 100GE integrated line processing units: have industry-leading 100G line-rate Ethernet interfaces, which can replace a large number of 10GE link aggregation bundles to simplify network operations.

48-port 10GE integrated line processing units: boast industry-leading high interface density and supports large-scale aggregation for scalable Ethernet and IP/Multiprotocol Label Switching (IP/MPLS) networks.

2-port 100GE and 24-Port 10G integrated line processing units: have the advantages of the 4-port 100GE integrated line processing units and the 48-port 10GE integrated line processing units.

LPUI-480 Series integrated line processing units can be installed in any slot on the NE40E-X8A and NE40E-X16A series. These high-capacity LPUI-480 are designed to remove bandwidth bottlenecks that are caused by next-generation high-speed and high-requirement computing applications and technologies. LPUI-480 Series provides economical, scalable, and reliable line-rate Ethernet and IP/MPLS services.

The LPUI-480 Series uses Huawei-developed Solar chips and provides powerful service capability. The LPUI-480 Series supports the combination of IP, MPLS, Ethernet, L2VPN, and L3VPN services. In addition, the LPUI-480 Series supports the 1588v2 feature, which allows for submicrosecond time synchronization based on specific hardware to ensure high-precision time synchronization between devices for applications and services that require 1588v2 clock synchronization, such as IP RAN and TDM migration. The LPUI-480 Series supports IPv6, which helps implement smooth IPv4-to-IPv6 transition. The LPUI-480 Series has a flexible programmable architecture. Microcode programming can be used for new service deployment, without the need to replace hardware, which reduces investments. In addition, this architecture drastically shortens the technological innovation cycle and accelerates new service rollout, helping customers build flexible and scalable networks.

LPUI-480 Series line processing units use Huawei-developed Solar chips and can dynamically change the number of forwarding chip processing cores, frequency, and bus bandwidth to compensate for service traffic changes, reducing boards' power consumption. The LPUI-480 Series line processing units also support dynamic frequency adjustment and intelligent fan speed adjustment, which significantly reduces power consumption, with less than 0.9W for each gigabit, lowest in the industry.

Product Compatibility

Table 1. 480G Integrated Line Processing Units Compatible Chassis ("●" indicates supported items, "-" indicates unsupported items).

BOM	Order Name	Description	X3	X8	X16	X3A	X8A	X16A
03055821	CR5DooLMX F70	48-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit (LPUI-480)	-	-	-	-	●	●
03055838	CR5DE2NLFX 70	2-Port 100GBase-CFP2 + 24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit (LPUI-480)	-	-	-	-	●	●
03056318	CR5DooE4NC 70	4-Port 100GBase-CFP2 Integrated Line Processing Unit (LPUI-480)	-	-	-	-	●	●
03057036	CR5DooLMX F7B	48-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B(LPUI-480-B)	-	-	-	-	●	●
03057037	CR5DE2NLFX 7B	2-Port 100GBase-CFP2 + 24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B(LPUI-480-B)	-	-	-	-	●	●
03057039	CR5DooE4NC 7B	4-Port 100GBase-CFP2 Integrated Line Processing Unit B(LPUI-480-B)	-	-	-	-	●	●

BOM	Order Name	Description	X3	X8	X16	X3A	X8A	X16A
03057599	CR5DE2NLFX71	2-Port 100GBase-QSFP28 + 24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit (LPUI-480)	-	-	-	-	●	●
03057894	CR5DooE4NB70	4-Port 100GBase-QSFP28 Integrated Line Processing Unit (LPUI-480)	-	-	-	-	●	●
03057846	CR5DooLMXF71	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	CR5DooE4NC71	4-Port 100GBase-CFP2 Integrated Line Processing Unit (LPUI-480)	-	-	-	-	●	●
03057600	CR5DE2NLFX72	2-Port 100GBase-QSFP28 + 24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B(LPUI-480-B)	-	-	-	-	●	●
03057895	CR5DooE4NB7B	4-Port 100GBase-QSFP28 Integrated Line Processing Unit B(LPUI-480-B)	-	-	-	-	●	●
03057849	CR5Doo1LMXF7B	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	CR5Doo1E4NC7B	4-Port 100GBase-CFP2 Integrated Line Processing Unit B(LPUI-480-B)	-	-	-	-	●	●

Table 2. 480G Integrated Line Processing Units Compatible Optical/Electrical Modules

BOM	Order Name	Board Name	Optical type supported
03055821	CR5DooLMXF70	48-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit (LPUI-480)	10Gbps SFP+ optical module 10Gbps SFP+ CWDM optical module 10Gbps SFP+ BIDI optical module 10Gbps SFP+ DWDM optical module

BOM	Order Name	Board Name	Optical type supported
03055838	CR5DE2NL FX70	2-Port 100GBase-CFP2 + 24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit (LPUI-480)	10Gbps SFP+ optical module 10Gbps SFP+ CWDM optical module 10Gbps SFP+ BIDI optical module 10Gbps SFP+ DWDM optical module 100Gbps CFP2 optical module NOTE CFP2 optical module with the BOM number 02311LYG are not supported.
03056318	CR5D00E4 NC70	4-Port 100GBase-CFP2 Integrated Line Processing Unit (LPUI-480)	100Gbps CFP2 optical module NOTE Modules with the BOM number 02311LYG are not supported.
03057036	CR5D00LM XF7B	48-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B(LPUI-480-B)	10Gbps SFP+ optical module 10Gbps SFP+ CWDM optical module 10Gbps SFP+ BIDI optical module 10Gbps SFP+ DWDM optical module
03057037	CR5DE2NL FX7B	2-Port 100GBase-CFP2 + 24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B(LPUI-480-B)	10Gbps SFP+ optical module 10Gbps SFP+ CWDM optical module 10Gbps SFP+ BIDI optical module 10Gbps SFP+ DWDM optical module 100Gbps CFP2 optical module NOTE CFP2 optical module with the BOM number 02311LYG are not supported.
03057039	CR5D00E4 NC7B	4-Port 100GBase-CFP2 Integrated Line Processing Unit B(LPUI-480-B)	100Gbps CFP2 optical module NOTE Modules with the BOM number 02311LYG are not supported.
03057894	CR5D00E4 NB70	4-Port 100GBase-QSFP28 Integrated Line Processing Unit (LPUI-480)	100Gbps QSFP28 optical module 40Gbps QSFP+ optical module
03057846	CR5D00LM XF71	48-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit (LPUI-480)	10Gbps SFP+ optical module 10Gbps SFP+ CWDM optical module 10Gbps SFP+ BIDI optical module 10Gbps SFP+ DWDM optical module

BOM	Order Name	Board Name	Optical type supported
03057847	CR5DE2NL FX74	2-Port 100GBase-CFP2 + 24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit (LPUI-480)	10Gbps SFP+ optical module 10Gbps SFP+ CWDM optical module 10Gbps SFP+ BIDI optical module 10Gbps SFP+ DWDM optical module 100Gbps CFP2 optical module NOTE When optical modules with the BOM number 02311LYG are used, 2x40G breakout optical fibers are not supported.
03057848	CR5D00E4 NC71	4-Port 100GBase-CFP2 Integrated Line Processing Unit (LPUI-480)	100Gbps CFP2 optical module NOTE When optical modules with the BOM number 02311LYG are used, 2x40G breakout optical fibers are not supported.
03057895	CR5D00E4 NB7B	4-Port 100GBase-QSFP28 Integrated Line Processing Unit B(LPUI-480-B)	100Gbps QSFP28 optical module 40Gbps QSFP+ optical module
03057849	CR5D01LM XF7B	48-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B(LPUI-480-B)	10Gbps SFP+ optical module 10Gbps SFP+ CWDM optical module 10Gbps SFP+ BIDI optical module 10Gbps SFP+ DWDM optical module
03057850	CR5DE2NL FX75	2-Port 100GBase-CFP2 + 24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B(LPUI-480-B)	10Gbps SFP+ optical module 10Gbps SFP+ CWDM optical module 10Gbps SFP+ BIDI optical module 10Gbps SFP+ DWDM optical module 100Gbps CFP2 optical module NOTE When optical modules with the BOM number 02311LYG are used, 2x40G breakout optical fibers are not supported.
03057851	CR5D01E4N C7B	4-Port 100GBase-CFP2 Integrated Line Processing Unit B(LPUI-480-B)	100Gbps CFP2 optical module NOTE When optical modules with the BOM number 02311LYG are used, 2x40G breakout optical fibers are not supported.

BOM	Order Name	Board Name	Optical type supported
03057599	CR5DE2NL FX71	2-Port 100GBase-QSFP28 + 24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit (LPUI-480)	10Gbps SFP+ optical module 10Gbps SFP+ CWDM optical module 10Gbps SFP+ BIDI optical module 10Gbps SFP+ DWDM optical module 100Gbps QSFP28 optical module 40Gbps QSFP+ optical module
03057600	CR5DE2NL FX72	2-Port 100GBase-QSFP28 + 24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B(LPUI-480-B)	10Gbps SFP+ optical module 10Gbps SFP+ CWDM optical module 10Gbps SFP+ BIDI optical module 10Gbps SFP+ DWDM optical module 100Gbps QSFP28 optical module 40Gbps QSFP+ optical module

Product Specifications

Table 3. 48-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit (LPUI-480) Specifications

Item	Specification
Order Name	CR5DooLMXF70
Silkscreen	LPUI-480 48x10G LAN/WAN-SFP+
Dimensions (H x W x D)	40.1 mm x 399.2 mm x 535.6 mm (1.58 in. x 15.72 in. x 21.09 in.)
Weight	9.4 kg (20.73 lb)
Typical power consumption	429.0 W
Typical heat dissipation	1391.9 BTU/hour
Ambient temperature	Long terms: 0 °C to 45 °C (32°F to 113°F) Short terms: -5 °C to 55 °C (23°F to 131°F)
Connector type	SFP+
Working mode	Full-duplex
Frame format	Ethernet_II, Ethernet_SAP and Ethernet_SNAP
Reliability and availability	Hot swappable.

Table 4. 2-Port 100GBase-CFP2 + 24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit (LPUI-480) Specifications

Item	Specification
Order Name	CR5DE2NLFX70
Silkscreen	LPUI-480 2x100G LAN-CFP2 -24x10G LAN/WAN-SFP+
Dimensions (H x W x D)	40.1 mm x 399.2 mm x 535.6 mm (1.58 in. x 15.72 in. x 21.09 in.)
Weight	9.4 kg (20.73 lb)
Typical power consumption	418.4 W
Typical heat dissipation	1357.5 BTU/hour
Ambient temperature	Long terms: 0 °C to 45 °C (32°F to 113°F) Short terms: -5 °C to 55 °C (23°F to 131°F)
Connector type	CFP2,SFP+
Working mode	Full-duplex
Frame format	Ethernet_II, Ethernet_SAP and Ethernet_SNAP
Reliability and availability	Hot swappable.

Table 5. 2-Port 100GBase-QSFP28 + 24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit (LPUI-480) Specifications

Item	Specification
Order Name	CR5DE2NLFX71
Silkscreen	LPUI-480 2x100G-QSFP28-24x10G LAN/WAN-SFP+
Dimensions (H x W x D)	40.1 mm x 399.2 mm x 535.6 mm (1.58 in. x 15.72 in. x 21.09 in.)
Weight	10.3 kg (22.71 lb)
Typical power consumption	459.4 W
Typical heat dissipation	1490.5 BTU/hour
Ambient temperature	Long terms: 0 °C to 45 °C (32°F to 113°F) Short terms: -5 °C to 55 °C (23°F to 131°F)
Connector type	QSFP28/QSFP+,SFP+
Working mode	Full-duplex
Frame format	Ethernet_II, Ethernet_SAP and Ethernet_SNAP
Reliability and availability	Hot swappable.

Table 6. 4-Port 100GBase-CFP2 Integrated Line Processing Unit (LPUI-480) Specifications

Item	Specification
Order Name	CR5D00E4NC70
Silkscreen	LPUI-480 4x100G LAN-CFP2
Dimensions (H x W x D)	40.1 mm x 399.2 mm x 535.6 mm (1.58 in. x 15.72 in. x 21.09 in.)
Weight	9.4 kg (20.73 lb)
Typical power consumption	408.0 W
Typical heat dissipation	1323.7 BTU/hour
Ambient temperature	Long terms: 0 °C to 45 °C (32°F to 113°F) Short terms: -5 °C to 55 °C (23°F to 131°F)
Connector type	CFP2
Working mode	Full-duplex
Frame format	Ethernet_II, Ethernet_SAP and Ethernet_SNAP
Reliability and availability	Hot swappable.

Table 7. 4-Port 100GBase-QSFP28 Integrated Line Processing Unit (LPUI-480) Specifications

Item	Specification
Order Name	CR5D00E4NB70
Silkscreen	LPUI-480 4x100GBase-QSFP28
Dimensions (H x W x D)	40.1 mm x 399.2 mm x 535.6 mm (1.58 in. x 15.72 in. x 21.09 in.)
Weight	10.6 kg (23.37 lb)
Typical power consumption	436.0 W
Typical heat dissipation	1414.6 BTU/hour
Ambient temperature	Long terms: 0 °C to 45 °C (32°F to 113°F) Short terms: -5 °C to 55 °C (23°F to 131°F)
Connector type	QSFP28/QSFP+
Working mode	Full-duplex
Frame format	Ethernet_II, Ethernet_SAP and Ethernet_SNAP
Reliability and availability	Hot swappable.

Table 8. 48-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit (LPUI-480) Specifications

Item	Specification
Order Name	CR5D00LMXF71
Silkscreen	LPUI-480 48x10GBase LAN/WAN-SFP+
Dimensions (H x W x D)	40.1 mm x 399.2 mm x 535.6 mm (1.58 in. x 15.72 in. x 21.09 in.)
Weight	10 kg (22.05 lb)
Typical power consumption	482.8 W
Typical heat dissipation	1566.4 BTU/hour
Ambient temperature	Long terms: 0 °C to 45 °C (32°F to 113°F) Short terms: -5 °C to 55 °C (23°F to 131°F)
Connector type	SFP+
Working mode	Full-duplex
Frame format	Ethernet_II, Ethernet_SAP and Ethernet_SNAP
Reliability and availability	Hot swappable.

Table 9. 2-Port 100GBase-CFP2 + 24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit (LPUI-480) Specifications

Item	Specification
Order Name	CR5DE2NLFX74
Silkscreen	LPUI-480 2x100G-CFP2-24x10G LAN/WAN-SFP+
Dimensions (H x W x D)	40.1 mm x 399.2 mm x 535.6 mm (1.58 in. x 15.72 in. x 21.09 in.)
Weight	10 kg (22.05 lb)
Typical power consumption	472.2 W
Typical heat dissipation	1532.0 BTU/hour
Ambient temperature	Long terms: 0 °C to 45 °C (32°F to 113°F) Short terms: -5 °C to 55 °C (23°F to 131°F)
Connector type	CFP2,SFP+
Working mode	Full-duplex
Frame format	Ethernet_II, Ethernet_SAP and Ethernet_SNAP

Item	Specification
Reliability and availability	Hot swappable.

Table 10. 4-Port 100GBase-CFP2 Integrated Line Processing Unit (LPUI-480) Specifications

Item	Specification
Order Name	CR5D00E4NC71
Silkscreen	LPUI-480 4x100GBase-CFP2
Dimensions (H x W x D)	40.1 mm x 399.2 mm x 535.6 mm (1.58 in. x 15.72 in. x 21.09 in.)
Weight	10 kg (22.05 lb)
Typical power consumption	468.0 W
Typical heat dissipation	1518.4 BTU/hour
Ambient temperature	Long terms: 0 °C to 45 °C (32°F to 113°F) Short terms: -5 °C to 55 °C (23°F to 131°F)
Connector type	CFP2
Working mode	Full-duplex
Frame format	Ethernet_II, Ethernet_SAP and Ethernet_SNAP
Reliability and availability	Hot swappable.

Table 11. 48-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B(LPUI-480-B) Specifications

Item	Specification
Order Name	CR5D00LMXF7B
Silkscreen	LPUI-480-B 48x10G LAN/WAN-SFP+ -A
Dimensions (H x W x D)	40.1 mm x 399.2 mm x 535.6 mm (1.58 in. x 15.72 in. x 21.09 in.)
Weight	9.4 kg (20.73 lb)
Typical power consumption	429.0 W
Typical heat dissipation	1391.9 BTU/hour
Ambient temperature	Long terms: 0 °C to 45 °C (32°F to 113°F) Short terms: -5 °C to 55 °C (23°F to 131°F)
Connector type	SFP+
Working mode	Full-duplex

Item	Specification
Frame format	Ethernet_II, Ethernet_SAP and Ethernet_SNAP
Reliability and availability	Hot swappable.

Table 12. 2-Port 100GBase-CFP2 + 24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B(LPUI-480-B) Specifications

Item	Specification
Order Name	CR5DE2NLFX7B
Silkscreen	LPUI-480-B 2x100G LAN-CFP2 -24x10G LAN/WAN-SFP+ -A
Dimensions (H x W x D)	40.1 mm x 399.2 mm x 535.6 mm (1.58 in. x 15.72 in. x 21.09 in.)
Weight	9.4 kg (20.73 lb)
Typical power consumption	418.4 W
Typical heat dissipation	1357.5 BTU/hour
Ambient temperature	Long terms: 0 °C to 45 °C (32°F to 113°F) Short terms: -5 °C to 55 °C (23°F to 131°F)
Connector type	CFP2,SFP+
Working mode	Full-duplex
Frame format	Ethernet_II, Ethernet_SAP and Ethernet_SNAP
Reliability and availability	Hot swappable.

Table 13. 2-Port 100GBase-QSFP28 + 24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B(LPUI-480-B) Specifications

Item	Specification
Order Name	CR5DE2NLFX72
Silkscreen	LPUI-480-B 2x100G-QSFP28-24x10G LAN/WAN-SFP+
Dimensions (H x W x D)	40.1 mm x 399.2 mm x 535.6 mm (1.58 in. x 15.72 in. x 21.09 in.)
Weight	10.3 kg (22.71 lb)
Typical power consumption	459.4 W
Typical heat dissipation	1490.5 BTU/hour
Ambient temperature	Long terms: 0 °C to 45 °C (32°F to 113°F) Short terms: -5 °C to 55 °C (23°F to 131°F)

Item	Specification
Connector type	QSFP28/QSFP+,SFP+
Working mode	Full-duplex
Frame format	Ethernet_II, Ethernet_SAP and Ethernet_SNAP
Reliability and availability	Hot swappable.

Table 14. 4-Port 100GBase-CFP2 Integrated Line Processing Unit B(LPUI-480-B) Specifications

Item	Specification
Order Name	CR5D00E4NC7B
Silkscreen	LPUI-480-B 4x100G LAN-CFP2-A
Dimensions (H x W x D)	40.1 mm x 399.2 mm x 535.6 mm (1.58 in. x 15.72 in. x 21.09 in.)
Weight	9.4 kg (20.73 lb)
Typical power consumption	408.0 W
Typical heat dissipation	1323.7 BTU/hour
Ambient temperature	Long terms: 0 °C to 45 °C (32°F to 113°F) Short terms: -5 °C to 55 °C (23°F to 131°F)
Connector type	CFP2
Working mode	Full-duplex
Frame format	Ethernet_II, Ethernet_SAP and Ethernet_SNAP
Reliability and availability	Hot swappable.

Table 15. 4-Port 100GBase-QSFP28 Integrated Line Processing Unit B(LPUI-480-B) Specifications

Item	Specification
Order Name	CR5D00E4NB7B
Silkscreen	LPUI-480-B 4x100GBase-QSFP28
Dimensions (H x W x D)	40.1 mm x 399.2 mm x 535.6 mm (1.58 in. x 15.72 in. x 21.09 in.)
Weight	10.6 kg (23.37 lb)
Typical power consumption	436.0 W
Typical heat dissipation	1414.6 BTU/hour

Item	Specification
Ambient temperature	Long terms: 0 °C to 45 °C (32°F to 113°F) Short terms: -5 °C to 55 °C (23°F to 131°F)
Connector type	QSFP28/QSFP+
Working mode	Full-duplex
Frame format	Ethernet_II, Ethernet_SAP and Ethernet_SNAP
Reliability and availability	Hot swappable.

Table 16. 48-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B(LPUI-480-B) Specifications

Item	Specification
Order Name	CR5D01LMXF7B
Silkscreen	LPUI-480-B 48x10GBase LAN/WAN-SFP+
Dimensions (H x W x D)	40.1 mm x 399.2 mm x 535.6 mm (1.58 in. x 15.72 in. x 21.09 in.)
Weight	10 kg (22.05 lb)
Typical power consumption	482.8 W
Typical heat dissipation	1566.4 BTU/hour
Ambient temperature	Long terms: 0 °C to 45 °C (32°F to 113°F) Short terms: -5 °C to 55 °C (23°F to 131°F)
Connector type	SFP+
Working mode	Full-duplex
Frame format	Ethernet_II, Ethernet_SAP and Ethernet_SNAP
Reliability and availability	Hot swappable.

Table 17. 2-Port 100GBase-CFP2 + 24-Port 10GBase LAN/WAN-SFP+ Integrated Line Processing Unit B(LPUI-480-B) Specifications

Item	Specification
Order Name	CR5DE2NLFX75
Silkscreen	LPUI-480-B 2x100G-CFP2-24x10G LAN/WAN-SFP+
Dimensions (H x W x D)	40.1 mm x 399.2 mm x 535.6 mm (1.58 in. x 15.72 in. x 21.09 in.)
Weight	10 kg (22.05 lb)
Typical power consumption	475.4 W

Item	Specification
Typical heat dissipation	1542.4 BTU/hour
Ambient temperature	Long terms: 0 °C to 45 °C (32°F to 113°F) Short terms: -5 °C to 55 °C (23°F to 131°F)
Connector type	CFP2,SFP+
Working mode	Full-duplex
Frame format	Ethernet_II, Ethernet_SAP and Ethernet_SNAP
Reliability and availability	Hot swappable.

Table 18. 4-Port 100GBase-CFP2 Integrated Line Processing Unit B(LPUI-480-B) Specifications

Item	Specification
Order Name	CR5D01E4NC7B
Silkscreen	LPUI-480-B 4x100GBase-CFP2
Dimensions (H x W x D)	40.1 mm x 399.2 mm x 535.6 mm (1.58 in. x 15.72 in. x 21.09 in.)
Weight	10 kg (22.05 lb)
Typical power consumption	468.0 W
Typical heat dissipation	1518.4 BTU/hour
Ambient temperature	Long terms: 0 °C to 45 °C (32°F to 113°F) Short terms: -5 °C to 55 °C (23°F to 131°F)
Connector type	CFP2
Working mode	Full-duplex
Frame format	Ethernet_II, Ethernet_SAP and Ethernet_SNAP
Reliability and availability	Hot swappable.

Product Performance

Table 19. Performance of the LPUI-480/LPUI-480-B

Feature	Specification
FIB	IPv4: up to 4,096,000 routes IPv6: up to 2,048,000 routes Mixed: up to 2,048,000 IPv4 routes and 1,024,000 IPv6 routes
Multicast	IPv4: up to 64,000 routes IPv6: up to 8,000 routes
QoS	Up to 192,000 queues in total for the upstream Up to 512,000/slot queues in total for the downstream Up to 5 levels of hierarchy Up to 100ms packet buffer time
Access Control List (ACL) rules	ACLv4: up to 256 * 1,024/slot(Only unidirectional transmission is supported.) ACLv6: up to 32 * 1,024/slot

For More Information

For more information about the Huawei NE40E Series Routers, visit <http://e.huawei.com> or 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

Copyright © Huawei Technologies Co., Ltd. 2018. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of Huawei Technologies Co., Ltd.

Trademark Notice



HUAWEI, HUAWEI and  are trademarks or registered trademarks of Huawei Technologies Co., Ltd.

Other trademarks, product, service and company names mentioned are the property of their respective owners.

General Disclaimer

The information in this document may contain predictive statements including, without limitation, statements regarding the future financial and operating results, future product portfolio, new technology, etc. There are a number of factors that could cause actual results and developments to differ materially from those expressed or implied in the predictive statements. Therefore, such information is provided for reference purpose only and constitutes neither an offer nor an acceptance. Huawei may change the information at any time without notice.

HUAWEI TECHNOLOGIES CO., LTD.

Huawei Industrial Base
Bantian, Longgang
Shenzhen 518129, P.R. China
Tel: +86-755-28780808

www.huawei.com