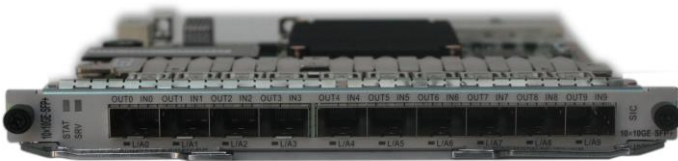# NetEngine 8000 M8
Interface Card

Overview

Huawei NetEngine 8000 M8 routers are mainly used in the following scenarios: access and aggregation, private line, data center egress, and data center interconnection. They help to provide a simplified and intelligent IP bearer network solution featuring simplified architecture, smart connection, and committed high availability. The NetEngine 8000 M8 routers support the following interface cards to meet various rate requirements:
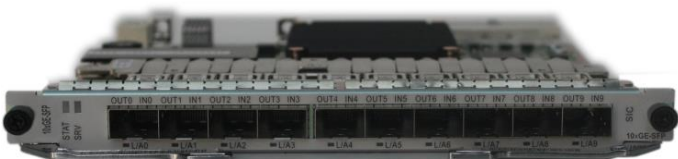
10x10GE-SFP+(03033BLN)

4x25GE-SFP28(03033BLK)

2x50GE-QSFP28(03033GDR)

10xGE-SFP(03033GFJ)

4x10GE-SFP+(03033FXF)

16xE1-75/120(03033GGD)

4xSTM1-POS(03033GGE)
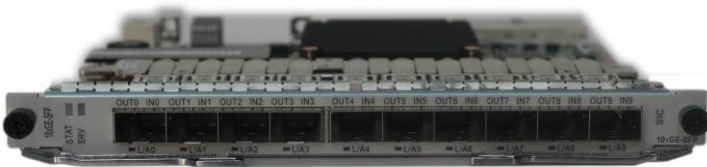

4xSTM1-cPOS(03033GGF)

2x100GE-QSFP28(03033GDS)

20xGE-CSFP(03033GMU)*

10xFE/GE-SFP(03033FXE)*

1x100GE-CFP2(03033HAF)*

*：contact the product line MO Qipeisong 483773

Card Specifications

10-Port 10GE/GE LAN/WAN-SFP+ MACsec Physical Interface Card (PIC) Specifications

Item	Description
Order name	CR5D00LAXF91
Silkscreen	10x10GE-SFP+
Dimensions (H x W x D)	19.8 mm x 193.8 mm x 209.3 mm (0.78 in. x 7.63 in. x 8.24 in.)
Weight	0.8 kg (1.76 lb)
Typical power consumption	32.2 W
Typical heat dissipation	104.57 BTU/hour
Ambient temperature	Long-term: –40°C to +65°C (–40°F to +149°F)
Connector type	SFP+
Working mode	Full duplex
Frame format	Ethernet_II, Ethernet_SAP, and Ethernet_SNAP
Reliability and availability	Hot swapping

4-Port 25GE(SFP28)/10GE(SFP+) MACsec Physical Interface Card (PIC) Specifications

Item	Description
Order Name	CR5D00E4XM25
Silkscreen	4x25GE-SFP28
Dimensions (H x W x D)	19.8 mm x 193.8 mm x 209.3 mm (0.78 in. x 7.63 in. x 8.24 in.)
Weight	0.7 kg (1.54 lb)
Typical power consumption	25.1 W
Typical heat dissipation	81.27 BTU/hour
Ambient temperature	Long-term: –40°C to +65°C (–40°F to +149°F)
Connector type	SFP28
Working mode	Full duplex
Frame format	Ethernet_II, Ethernet_SAP, and Ethernet_SNAP
Reliability and availability	Hot swapping

2-Port 50GBase/1-Port 100GBase-QSFP28 FlexE MACsec Physical Interface Card (PIC) Specifications

Item	Description
Order Name	CR5D0E5XMF94

Item	Description
Silkscreen	2x50GE-QSFP28
Dimensions (H x W x D)	19.8 mm x 193.8 mm x 209.3 mm (0.78 in. x 7.63 in. x 8.24 in.)
Weight	0.8 kg (1.76 lb)
Typical power consumption	28.7 W
Typical heat dissipation	92.99 BTU/hour
Ambient temperature	Long-term: 0°C to 45°C (32°F to 113°F); Short-term: –5°C to +55°C (23°F to 131°F)
Connector type	QSFP28
Working mode	Full duplex
Frame format	Ethernet_II, Ethernet_SAP, and Ethernet_SNAP
Reliability and availability	Hot swapping

10-port 100/1000Base-X-SFP MACsec Physical Interface Card (PIC) Specifications

Item	Description
Order Name	CR5D00EAGF96
Silkscreen	10xGE-SFP
Dimensions (H x W x D)	19.8 mm x 193.8 mm x 209.3 mm (0.78 in. x 7.63 in. x 8.24 in.)
Weight	0.8 kg (1.76 lb)
Typical power consumption	30.2 W
Typical heat dissipation	98.08 BTU/hour
Ambient temperature	Long-term: –40°C to +65°C (–40°F to +149°F)
Connector type	SFP
Working mode	Full duplex
Frame format	Ethernet_II, Ethernet_SAP, and Ethernet_SNAP
Reliability and availability	Hot swapping

4-Port 10GE(SFP+)/GE(SFP) MACsec Physical Interface Card (PIC) Specifications

Item	Description
Order Name	CR5D00L4XF91
Silkscreen	4x10GE-SFP+
Dimensions (H x W x D)	19.8 mm x 193.8 mm x 209.3 mm (0.78 in. x 7.63 in. x 8.24 in.)
Weight	0.7 kg (1.54 lb)
Typical power consumption	23.9 W

Item	Description
Typical heat dissipation	77.38 BTU/hour
Ambient temperature	Long-term: –40°C to +65°C (–40°F to +149°F)
Connector type	SFP+
Working mode	Full duplex
Frame format	Ethernet_II, Ethernet_SAP, and Ethernet_SNAP
Reliability and availability	Hot swapping

16-Port E1 Physical Interface Card (PIC,75ohm/120ohm) Specifications

Item	Description
Order Name	CR5D000DE1C1
Silkscreen	16xE1-75/120
Dimensions (H x W x D)	19.8 mm x 193.8 mm x 209.3 mm (0.78 in. x 7.63 in. x 8.24 in.)
Weight	0.6 kg (1.32 lb)
Typical power consumption	12 W
Typical heat dissipation	38.93 BTU/hour
Ambient temperature	Long-term: –40°C to +65°C (–40°F to +149°F)
Connector type	DB16
Working mode	Full duplex
Frame format	Unframed mode, CRC4, and NO-CRC4
Reliability and availability	Hot swapping

4-Port OC-3c/STM-1c POS-SFP Flexible Interface Card (PIC) Specifications

Item	Description
Order Name	CR5D00P4CFC1
Silkscreen	4xSTM1-POS
Dimensions (H x W x D)	19.8 mm x 193.8 mm x 209.3 mm (0.78 in. x 7.63 in. x 8.24 in.)
Weight	0.5 kg (1.1 lb)
Typical power consumption	28 W
Typical heat dissipation	90.84 BTU/hour
Ambient temperature	Long-term: –40°C to +65°C (–40°F to +149°F)
Connector type	SFP
Working mode	Full duplex
Frame format	HDLC and PPP
Reliability and availability	Hot swapping

4-Port Channelized STM-1c POS-SFP Physical Interface Card (PIC) Specifications

Item	Description
Order Name	CR5D00C4CFC1
Silkscreen	4xSTM1-cPOS
Dimensions (H x W x D)	19.8 mm x 193.8 mm x 209.3 mm (0.78 in. x 7.63 in. x 8.24 in.)
Weight	0.5 kg (1.1 lb)
Typical power consumption	28 W
Typical heat dissipation	90.84 BTU/hour
Ambient temperature	Long-term: –40°C to +65°C (–40°F to +149°F)
Connector type	SFP
Working mode	Full duplex
Frame format	155M interfaces support SDH. Channelized E1 interfaces support the unframed mode, CRC4, and NO-CRC4.
Reliability and availability	Hot swapping

2-Port 100GBase/50GBase-QSFP28 FlexE MACsec Interface Card (PIC) Specifications

Item	Description
Order Name	CR5DE2NE4X14
Silkscreen	2x100GE-QSFP28
Dimensions (H x W x D)	19.8 mm x 193.8 mm x 209.3 mm (0.78 in. x 7.63 in. x 8.24 in.)
Weight	0.8 kg (1.76 lb)
Typical power consumption	32.2 W
Typical heat dissipation	104.4 BTU/hour
Ambient temperature	Long-term: 0°C to 45°C (32°F to 113°F); Short-term: –5°C to +55°C (23°F to 131°F)
Connector type	QSFP28
Working mode	Full duplex
Frame format	Ethernet_II, Ethernet_SAP, and Ethernet_SNAP
Reliability and availability	Hot swapping

20-Port 100/1000Base-X-CSFP/10-Port 100/1000Base-X-SFP Physical Interface Card (PIC) Specifications*

Item	Description
Order Name	CR5D00EEGF73
Silkscreen	20xGE-CSFP

Item	Description
Dimensions (H x W x D)	19.8 mm x 193.8 mm x 209.3 mm (0.78 in. x 7.63 in. x 8.24 in.)
Weight	0.9 kg (1.98 lb)
Typical power consumption	38 W
Typical heat dissipation	123.3 BTU/hour
Ambient temperature	Long-term: –40°C to +65°C (–40°F to +149°F)
Connector type	SFP
Working mode	Full duplex
Frame format	Ethernet_II, Ethernet_SAP, and Ethernet_SNAP
Reliability and availability	Hot swapping

10-port 100/1000Base-X-SFP MACsec Physical Interface Card (PIC) Specifications*

Item	Description
Order Name	CR5D00EAGF95
Silkscreen	10xFE/GE-SFP
Dimensions (H x W x D)	19.8 mm x 193.8 mm x 209.3 mm (0.78 in. x 7.63 in. x 8.24 in.)
Weight	0.8 kg (1.76 lb)
Typical power consumption	29 W
Typical heat dissipation	94.09 BTU/hour
Ambient temperature	Long-term: –40°C to +65°C (–40°F to +149°F)
Connector type	SFP
Working mode	Full duplex
Frame format	Ethernet_II, Ethernet_SAP, and Ethernet_SNAP
Reliability and availability	Hot swapping

1-Port 100GBase-CFP2 Physical Interface Card (PIC) Specifications*

Item	Description
Order Name	CR5D00E1NC97
Silkscreen	1x100GE-CFP2
Dimensions (H x W x D)	19.8 mm x 193.8 mm x 209.3 mm (0.78 in. x 7.63 in. x 8.24 in.)
Weight	0.8 kg (1.76 lb)
Typical power consumption	43.2 W
Typical heat dissipation	140.16 BTU/hour
Ambient temperature	Long-term: –5°C to +50°C (23 °F to 122°F)
Connector type	CFP2

Item	Description
Working mode	Full duplex
Frame format	Ethernet_II, Ethernet_SAP, and Ethernet_SNAP
Reliability and availability	Hot swapping

*: contact the product line MO Qipeisong 483773

For More Information

For more information about the NetEngine 8000 M8 routers, visit https://e.huawei.com or contact us by doing any of the following:

- Contacting one of our global branches: https://e.huawei.com/en/service-hotline
- Logging into the Huawei Enterprise technical support web: https://support.huawei.com/enterprise/
- Sending an email to the customer service mailbox: support_e@huawei.com