



# **NetEngine 8000 M8 Integrated Network Processing Unit**

# 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 Integrated Network Processing Unit (IPU) is responsible for the control plane and data plane functions of the entire Network Element (NE), such as device management, device control, and data forwarding.

## Integrated Network Processing Unit (IPU-1T2)



## Integrated Network Processing Unit (IPU-480)



# Card Specifications

## IPU-1T2 Specifications

Item	Description
Order name	CR8DIPU1T2C1
Silkscreen	IPU-1T2
Memory capacity of IPU	8GB
Flash	64MB
CF Card/SSD	4G NAND FLASH
RIP Routing Quantity	120K
OSPF Routing Quantity	1M
ISIS Routing Quantity	1240K
BGP Routing Quantity	10M
IPv4/IPv6 VRF Quantity	4K/4K
IPv4/IPv6 FIB	4M/2M
Dimensions (H x W x D)	22.36 mm x 388.4 mm x 209.3 mm (0.88 in. x 15.29 in. x 8.24 in.)
Weight	2.3 kg (5.07 lb)
Typical power consumption	128.6 W

Item	Description
Typical heat dissipation	417.33 BTU/hour
Ambient temperature	Long-term: -40°C to +65°C (-40°F to +149°F), lowest temperature for startup: -20°C (-4°F)
SDRAM	8 GB
Reliability and availability	Hot swapping and 1:1 backup

#### IPU-480 Specifications

Item	Description
Order name	CR8DIPU480C1
Silkscreen	IPU-480
Memory capacity of IPU	8GB
Flash	64MB
CF Card/SSD	4G NAND FLASH
RIP Routing Quantity	120K
OSPF Routing Quantity	1M
ISIS Routing Quantity	1240K
BGP Routing Quantity	10M
IPv4/IPv6 VRF Quantity	4K/4K
IPv4/IPv6 FIB	4M/2M
Dimensions (H x W x D)	22.36 mm x 388.4 mm x 209.3 mm (0.88 in. x 15.29 in. x 8.24 in.)
Weight	2.3 kg (5.07 lb)
Typical power consumption	113.3 W
Typical heat dissipation	367.7 BTU/hour
Ambient temperature	Long-term: -40°C to +65°C (-40°F to 149°F), lowest temperature for startup: -20°C (-4°F)
SDRAM	8 GB
Reliability and availability	Hot swapping and 1:1 backup

## 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