



# NetEngine 8000 M6 Service Router Datasheet



## Overview

NetEngine 8000 M6 is a all-scenario converged bearer router for the cloud era. It's featured with 2U height, 220mm depth, supports up to 160G port capacity and 6 service slots, flexibly adapts to different services, and supports 50GE/25GE/10GE/GE/FE/CPOS/E1 interfaces. The compact design saves precious space resource, greatly reduces Capex, and protects the existing investment. Wide-temperature design enables it to be deployed in all scenarios. It also supports features such as SRv6, EVPN, network slicing, and 1588v2 high-precision clock which make it the best choice for multi-service convergence in the cloud era.

### NetEngine 8000 M6 Service Router



NetEngine 8000 M6 DC



NetEngine 8000 M6 AC

## Product Features

Table 2-1 lists the features of Huawei NetEngine8000 M6 router.

### Features of Huawei NetEngine8000 M6 Router

| Features        | Description  |
|-----------------|--|
| Interfaces      | 50GE:2; 10GE:16; GE:100  |
| L2              | IEEE802.1q, IEEE802.1p, IEEE 802.3ad, IEEE 802.1ab, STP/RSTP/MSTP  |
| L3              | OSPF、RIP、IS-IS、BGP、ACL、IPv4、6VPE、ARP、VLANIF、VxLAN  |
| MPLS            | LDP, RSVP-TE, L2VPN, L3VPN, and seamless MPLS、MPLS-TP  |
| SRv6/EVPN       | SR/SRv6, EVPN L3VPN, EVPN VPWS, EVPN VPLS, EVPN over SRv6  |
| VAS             | NAT/CGN、IPSec、MACSec   |
| Multicast       | IGMP、Static Multicast Routing、PIM-SM/SSM、MBGP、NGMVPN   |
| QoS             | 3 level H-QoS  |
| ISIS            | 512K   |
| OSPF            | 512K   |
| IPv4 FIB        | 512K   |
| IPv6 FIB        | 64K  |
| ACL             | 2048   |
| Reliability     | IP FRR, LDP FRR, TE FRR, VPN FRR, BGP FRR, mLDP FRR  |
| Maintainability | <ul style="list-style-type: none"> <li>● A network management system (NMS) with a graphical user interface, which simplifies NE management, improves O&amp;M capabilities, and facilitates network-wide or end-to-end performance monitoring and fault diagnosis.</li> <li>● Plug-and-play based on DHCP or DCN. The NMS can automatically detect and configure the newly connected devices, which helps to</li> </ul> |

| Features | Description  |
|----------|--|
|          | <p>implement remote batch commissioning.</p> <ul style="list-style-type: none"> <li>● Directional Forwarding Detection (BFD), Ethernet OAM MPLS OAM and MPLS-TP OAM</li> <li>● ITU-T Y.1731</li> <li>● Bandwidth association with microwave devices is supported. Bandwidth association simplifies QoS configurations and requirements on the microwave device, and the complex QoS logic is implemented on the NetEngine 8000 device.</li> <li>● IP FPM</li> <li>● ITU-T Y.1564</li> <li>● Seamless MPLS</li> <li>● SNMP (v1/v2c/v3)</li> <li>● CLI</li> <li>● NETCONF</li> <li>● RMON</li> </ul> |

## Product Specifications

| Item  | NetEngine 8000 M6   |
|---|---|
| Dimensions without packaging (H x W x D)      | 88.9 mm x 442 mm x 220 mm (3.50 in. x 17.4 in. x 8.66 in.)  |
| Chassis height                                | 2 U   |
| Number of slots                               | DC: 11<br>AC: 9   |
| Number of service board slots                 | DC: 6<br>AC: 4  |
| Weight without packaging (full configuration) | DC: 10.65kg(23.48 lb)<br>AC: 11.35kg(25.02 lb)  |
| Typical power consumption                     | <p>DC Typical configuration 1: 2*CR8DCXP160C0+1*FAN+2*DC power+2*CR8D00L4XFC0 + 2*CR8D00EAGFC0 =196.1 W</p> <p>DC Typical configuration 2: 2*CR8DCXP160C0+1*FAN+2*DC power+2*CR8D00E1VBC0+1*CR8D00L4XFC0 + 1*CR8D00EAGFC0 =205.8 W</p> <p>AC Typical configuration 1: 2*CR8DCXP160C0+1*FAN+2*AC power+2*CR8D00L4XFC0 + 2*CR8D00EAGFC0 =209.68 W</p> <p>AC Typical configuration 2: 2*CR8DCXP160C0+1*FAN+2*AC power+2*CR8D00E1VBC0+1*CR8D00L4XFC0 + 1*CR8D00EAGFC0 =222.07 W</p>       |
| Typical heat dissipation                      | <p>DC Typical configuration 1: 2*CR8DCXP160C0+1*FAN+2*DC power+2*CR8D00L4XFC0 + 2*CR8D00EAGFC0 =623.09 BTU/hr</p> <p>DC Typical configuration 2: 2*CR8DCXP160C0+1*FAN+2*DC power+2*CR8D00E1VBC0+1*CR8D00L4XFC0 + 1*CR8D00EAGFC0 =654.6 BTU/hr</p> <p>AC Typical configuration 1: 2*CR8DCXP160C0+1*FAN+2*AC power+2*CR8D00L4XFC0 + 2*CR8D00EAGFC0 =666.28 BTU/hr</p> <p>AC Typical configuration 2: 2*CR8DCXP160C0+1*FAN+2*AC power+2*CR8D00E1VBC0+1*CR8D00L4XFC0 + 1*CR8D00EAGFC0</p> |

| Item                                   | NetEngine 8000 M6  |
|--|--|
|  | =699.97 BTU/hr   |
| DC input voltage                       | Rated input voltage: -40V /-60V<br>Input voltage range: -40 V to -72 V   |
| AC input voltage                       | Rated input voltage: 200V to 240V/100V to 127V dual live wires, support 240V HVDC<br>Input voltage range: 90V to 290 V   |
| MTBF                                   | DC: 118.92 years<br>AC: 92.02 years  |
| MTTR                                   | 0.5 hour   |
| Availability                           | DC: 0.99999952<br>AC: 0.99999938   |
| Redundant fans                         | 1+1. Short-term running when a single fan becomes invalid at the ambient temperature of 40°C(104°F) (one fan module contains two fans)   |
| Redundant power supply                 | 1+1  |
| Switching capacity                     | 320G bit/s (Bidirectional)   |
| Forwarding performance                 | 72M pps  |
| Long-term operating temperature        | DC: -40°C to 65°C (-40°F to 149°F), start: ≥-20°C (-4°F)<br><br>AC: -20°C to 55°C (-4°F to 131°F)  |
| Short-term operating temperature       | N/A  |
| Storage temperature                    | -40 °C to 70 °C (-40°F to 158°F)   |
| Long-term operating relative humidity  | 5% to 85%, non-condensing  |
| Short-term operating relative humidity | 5% to 95% RH, non-condensing   |
| Storage relative humidity              | 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 device must decrease by 1°C [33.8°F] for every 220 m [721.78 ft.]   |
| Storage altitude                       | Lower than 5000 meters [16404 ft.]   |
| Regulatory compliance                  | <b>EMC</b> <ul style="list-style-type: none"> <li>• ANSI C63.4</li> <li>• AS/NZS CISPR 32</li> <li>• CISPR 24</li> <li>• CISPR 32</li> <li>• EN 55024</li> <li>• EN 55032</li> <li>• ETSI EN 300 386</li> <li>• FCC CFR47 Part 15 Subpart B</li> <li>• ICES-003 Issue 6</li> <li>• ICES-GEN Issue 1</li> <li>• IEC 61000-3-2</li> <li>• IEC 61000-3-3</li> </ul> |

| Item | NetEngine 8000 M6   |
|------|---|
|      | <ul style="list-style-type: none"> <li>• IEC 61000-4-11</li> <li>• IEC 61000-4-2</li> <li>• IEC 61000-4-29</li> <li>• IEC 61000-4-3</li> <li>• IEC 61000-4-4</li> <li>• IEC 61000-4-5</li> <li>• IEC 61000-4-6</li> <li>• IEC 61000-6-2</li> <li>• IEC 61000-6-4</li> <li>• VCCI-CISPR 32</li> </ul> <p><b>Environment</b></p> <ul style="list-style-type: none"> <li>• ETSI EN 300 019-1-1</li> <li>• ETSI EN 300 019-1-2</li> <li>• ETSI EN 300 019-1-3</li> <li>• ETSI EN 300 753</li> <li>• ETSI EN 300 019-2-1</li> <li>• ETSI EN 300 019-2-2</li> <li>• ETSI EN 300 019-2-3</li> <li>• IEC 60068-2-1</li> <li>• IEC 60068-2-2</li> <li>• IEC 60068-2-14</li> <li>• IEC 60068-2-27</li> <li>• IEC 60068-2-30</li> <li>• IEC 60068-2-31</li> <li>• GB/T 2423.26 -2008</li> <li>• IEC 60068-2-39</li> <li>• IEC 60068-2-64</li> <li>• ISTA 2A</li> <li>• ISO 7779</li> </ul> <p><b>Safety</b></p> <ul style="list-style-type: none"> <li>• IEC/EN/UL/CSA 60950-1</li> <li>• IEC/EN 62368-1</li> </ul> <p><b>Environmental protection</b></p> <ul style="list-style-type: none"> <li>• 2011/65/EU &amp; (EU)2015/863 (EU RoHS)</li> <li>• Regulation (EC) No.1907/2006 (REACH)</li> <li>• 2012/19/EU (WEEE)</li> <li>• 2006/66/EC &amp; 2013/56/EU on batteries and accumulators</li> </ul> |

## NOTE

- Regarding the physical dimensions provided in the table, the width (W) does not take mounting ears into account.
- Temperature and humidity are measured at 1.5 m (4.92 ft.) above the ground and 0.4 m (1.31 ft.) in front of the cabinet. There should be no protection board on the front or back of the cabinet.
- "Short-term" refers to continuous working time that does not exceed 96 hours and an accumulated working time per year that does not exceed 15 days. If the working time exceeds either of these values, it is considered "long-term".

# Ordering Information

## Basic Hardware Configurations

### NetEngine 8000 M6 Basic Configurations

| BOM      | Order Name   | Description   | Remarks |
|----------|--------------|---|---------|
| 02353HHB | CR8PM6BASDC1 | NetEngine 8000 M6 Basic Configuration (Includes NetEngine 8000 M6 Chassis,2*CXP-160, 2*DC Power,without Software Charge and Document)   |         |
| 02353HHG | CR8PM6BASAC1 | NetEngine 8000 M6 Basic Configuration (Includes NetEngine 8000 M6 Chassis,2*CXP-160, 2*AC Power,without Software Charge and Document)   |         |
| 02353LKW | CR8PM6BASDC3 | NetEngine 8000 M6 Basic Configuration (Includes NetEngine 8000 M6 Chassis,2*CXP-160-B, 2*DC Power,without Software Charge and Document) |         |
| 02353LKY | CR8PM6BASAC3 | NetEngine 8000 M6 Basic Configuration (Includes NetEngine 8000 M6 Chassis,2*CXP-160-B, 2*AC Power,without Software Charge and Document) |         |
| 02353HHE | CR8BM6BKPDC1 | NetEngine 8000 M6 Integrated DC Chassis Components(Including 2*DC Power,Fan Box)  |         |
| 02353HHF | CR8BM6BKPAC1 | NetEngine 8000 M6 Integrated AC Chassis Components(Including 2*AC Power,Fan Box)  |         |
| 03033MPG | CR8DCXP160C2 | System Control,Cross-connect and Multi-protocol Process Unit (CXP-160-B)  |         |
| 03033JTY | CR8DCXP160C0 | System Control,Cross-connect and Multi-protocol Process Unit (CXP-160)  |         |
| 03033JUB | CR8D00E1VBC0 | 1-port 50G Base (QSFP28) Physical Interface Card(PIC)   |         |
| 03033JUC | CR8D25E2XFC0 | 2-port 25G (SFP28)/2 Channels 10G (SFP+) Physical Interface Card(PIC)   |         |
| 03033MPJ | CR8D00L4XFC0 | 4-Port 10GE(SFP+)/GE(SFP) MACsec Physical Interface Card(PIC)   |         |
| 03033JUD | CR8D00E2XFC0 | 2-port 10GE(SFP+)/GE(SFP) Physical Interface Card(PIC)  |         |

| BOM      | Order Name   | Description  | Remarks |
|----------|--------------|--|---------|
| 03033MPK | CR8D00EAGFC0 | 10-port 100/1000Base-X-SFP MACsec Physical Interface Card(PIC)                       |         |
| 03033GGD | CR5D000DE1C1 | 16-Port E1 Physical Interface Card(PIC,75ohm/120ohm)                                 |         |
| 03033GGF | CR5D00C4CFC1 | 4-Port Channelized STM-1c POS-SFP Physical Interface Card(PIC)                       |         |
| 03033MPL | CR8D00EEGFC0 | 20-Port 100/1000Base-X-CSFP/10-Port 100/1000Base-X-SFP Physical Interface Card(PIC)  |         |
| 03033NRL | CR8D00E8GEC2 | 8-Port 100/1000Base-RJ45 Physical Interface Card(PIC)                                |         |
| 03033VMJ | CR8D00L4XFC2 | 4-Port 10GE-SFP+ Physical Interface Card(PIC)  |         |
| 03056458 | NEDD00EM8T01 | 8 Channels GE/FE Electrical Interface Board  |         |
| 03056455 | NEDD00EM8F01 | 8 Channels GE/FE Optical Interface Board   |         |
| 03057141 | NEDD00EX2S00 | 2 Channel 10GE Optical Interface Board(SFP+)   |         |
| 03056461 | NEDD16E17502 | 16 Channels E1 Interface Board(75ohm)  |         |
| 03057266 | NEDD32E17501 | 32 Channels E1 Interface Board(75ohm)  |         |
| 03056462 | NEDD16E11202 | 16 Channels E1 Interface Board(120ohm)   |         |
| 03056726 | NEDD001SA800 | 8-Channel V.35/X.21/V.24 Board   |         |
| 03056886 | NEDD01MP8A00 | 4 Channels C37.94 Optical Interface and 4 Channels CoDir64K Electric Interface Board |         |
| 03056725 | NEDD01MPAA00 | 4-Channel FXS/FXO+2-Channel E&M+2-Channel RS232+2-Channel RS485 Board                |         |
| 03058128 | NEDD001EM600 | 6 Channes E&M Interface Board  |         |
| 03034BAT | CR8D00E8GEC3 | 8-Port 100/1000Base-RJ45 Physical Interface Card(PIC)                                |         |
| 03057267 | NEDD32E11201 | 32 Channels E1 Interface Board(120ohm)   |         |

## Software Configuration

### License

| BOM | Order Name | Description | Remarks |
|-----|------------|-------------|---------|
|-----|------------|-------------|---------|

| BOM      | Order Name         | Description   | Remarks |
|----------|--------------------|---|---------|
| 88036BAW | N1-NE8KM6F-LIC     | N1-NetEngine 8000 M6 Series Foundation SW License                             |         |
| 88036BBA | N1-NE8KM6A-LIC     | N1-NetEngine 8000 M6 Series Advanced SW License                               |         |
| 88036BBB | N1-N8KM6F2A-LIC    | N1-NetEngine 8000 M6 Series Foundation to Advanced SW License                 |         |
| 88036BBC | N1-N8KM6TMSY-LIC   | N1-NetEngine 8000 M6 Series Time Synchronization Function License             |         |
| 88036BBD | N1-N8KM6SRV6-LIC   | N1-NetEngine 8000 M6 Series SRv6 Function License                             |         |
| 88036BBE | N1-N8KM6IPS-LIC    | N1-NetEngine 8000 M6 Series IPSec Function License                            |         |
| 88036BBF | N1-N8KM6MACS-LIC   | N1-NetEngine 8000 M6 Series MACSec Function License                           |         |
| 88036BBG | N1-N8KM6SLI-LIC    | N1-NetEngine 8000 M6 Series Port Slicing Function License                     |         |
| 88060UFN | N1-N8KM6F-SYS1Y    | N1-NetEngine 8000 M6 Series Foundation SW License SnS(1 year)                 |         |
| 88060UFP | N1-N8KM6A-SYS1Y    | N1-NetEngine 8000 M6 Series Advanced SW License SnS(1 year)                   |         |
| 88060UFQ | N1-N8KM6F2A-SNS1Y  | N1-NetEngine 8000 M6 Series Foundation to Advanced SW License SnS(1 year)     |         |
| 88060UFR | N1-N8KM6TMSY-SYS1Y | N1-NetEngine 8000 M6 Series Time Synchronization Function License SnS(1 year) |         |
| 88060UFS | N1-N8KM6SRV6-SYS1Y | N1-NetEngine 8000 M6 Series SRv6 Function License SnS(1 year)                 |         |
| 88060UFT | N1-N8KM6IPS-SNS1Y  | N1-NetEngine 8000 M6 Series IPSec Function License SnS(1 year)                |         |
| 88060UFU | N1-N8KM6MACS-SYS1Y | N1-NetEngine 8000 M6 Series MACSec Function License SnS(1 year)               |         |
| 88060UFV | N1-N8KM6SLC-SYS1Y  | N1-NetEngine 8000 M6 Series Port Slicing Function License SnS(1 year)         |         |



## Documents

### 2 Documents for NetEngine 8000 M6

| BOM      | Order Name   | Description  | Remarks |
|----------|--------------|--|---------|
| 31180BNE | CR8IM68CDE00 | HUAWEI NetEngine 8000 M6 Series Router Product Documentation |         |

## Optical/Electrical Transceivers

### 50Gbps QSFP28 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 |         |
| 02312MLF   | QSFP28-50G-1310nm-80km-SM | High Speed Transceiver, QSFP28, 1311nm, 50G, two-fiber bidirectional, 80km                   |         |

### 50Gbps QSFP28 BIDI Optical Transceiver

| BOM Number | Order Name                | Description   | Remarks |
|------------|---------------------------|---|---------|
| 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    |         |
| 02312EVX   | QSFP28-50G-BIDI-40km-SM-2 | BiDi Transceiver, QSFP28, 1295nm(TX)/1309nm(RX), 50G, 1.5dBm, 8dBm, -13.5dBm, LC, 40km      |         |
| 02312EVY   | QSFP28-50G-BIDI-40km-SM-1 | BiDi Transceiver, QSFP28, 1309nm(TX)/1295nm(RX), 50G, 1.5dBm, 8dBm, -13.5dBm, LC, SMF, 40km |         |

### 25Gbps SFP28 Optical Transceiver

| BOM Number | Order Name               | Description  | Remarks |
|------------|--------------------------|--|---------|
| 02312PDL   | SFP28-25G-1310nm-10km-SM | High Speed Transceiver, SFP28, 1310nm, 25G, -7dBm, 2dBm, -11.3dBm, LC, SMF, 10km                     |         |
| 02312PDK   | SFP28-25G-850nm-0.1km-MM | High Speed Transceiver, SFP28, 850nm, 25G, -8.4dBm, 2.4dBm, -10.3dBm, LC, MM, 0.1km                  |         |
| 02312TVC   | SFP28-25G-BIDI-10km-SM-3 | BiDi Transceiver, SFP28, 1270nm(Tx)/1330nm(Rx), 25 Gb/s, -4dBm, 2dBm, -10.3dBm, LC, 10km, -40~85degc |         |

| BOM Number | Order Name               | Description   | Remarks |
|------------|--------------------------|---|---------|
| 02312TXG   | SFP28-25G-BIDI-10km-SM-4 | BiDi Transceiver,SFP28,1330nm(Tx)/1270nm(Rx),25 Gb/s,-4dBm,2dBm,-10.3dBm,LC,10km,-40~85degc |         |

#### 10Gbps SFP+ Optical Transceiver

| BOM Number | Order Name | Description  | Remarks |
|------------|------------|--|---------|
| 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) |         |
| 02310PVU   | OSX080N04  | Optical Transceiver(SFP+,1550nm,9.953~10.3125Gb/s,0~4dBm,-24dBm,LC,SM,80km)  |         |

#### 1.25/9.953/10.3125Gbps SFP+ Optical Transceiver

| BOM Number | Order Name | Description   | Remarks |
|------------|------------|---|---------|
| 34061042   | OSX010N13  | XFP SFP+ Transceiver-SFP+-1310nm-10G/1G-8.2dbm-0.5dbm-Single-mode-14.4dbm-LC-10km |         |

#### 1.25Gbps eSFP Optical Transceiver

| BOM Number | Order Name | Description   | Remarks |
|------------|------------|---|---------|
| S4017307   | OMGD50N02  | 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)                   |         |
| 02310RAW   | OSG080N01  | Optical Transceiver,eSFP,1550nm,1.25Gb/s,-2~5dBm,-23dBm,LC,SM,80km                    |         |

#### 1.25Gbps eSFP BIDI Optical Transceiver

| BOM Number | Order Name            | Description  | Remarks |
|------------|-----------------------|--|---------|
| 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),1.2                                       |         |

| BOM Number | Order Name | Description   | Remarks |
|------------|------------|---|---------|
|            |            | 5Gb/s,-2dBm,3dBm,-23dBm,LC,SM,40km  |         |
| 34060540   | OGEBIDI40  | Optical Transceiver,eSFP,1490nm(Tx)/1310nm(Rx),1.2 5Gb/s,-2dBm,3dBm,-23dBm,LC,SM,40km |         |

#### 1.25Gbps CSFP BIDI Optical Transceiver

| BOM Number | Order Name | Description   | Remarks |
|------------|------------|---|---------|
| 02312WHD   | O00CSFP25  | BiDi Transceiver,CSFP,1490(Tx)/1310(Rx)nm,1.25G b/s,-9dBm,-3dBm,-19.5dBm,LC,SM,10km |         |
| 02312WHC   | OSG010007  | BiDi Transceiver,CSFP,1310(Tx)/1490(Rx)nm,1.25G b/s,-9dBm,-3dBm,-24dBm,LC,SMF,10km  |         |
| 02312WHB   | OSG040008  | BiDi Transceiver,CSFP,Tx1490/Rx1310nm,1.25G,- 5dBm,0dBm,-25dBm,LC(-40~85),SM,40km   |         |

#### 125M~1.25Gbps CSFP BIDI Optical Transceiver

| BOM Number | Order Name | Description   | Remarks |
|------------|------------|---|---------|
| 02312WHA   | OSG010005  | Integrated Optical Transmitting and Receiving Module,CSFP,Transmitting:1490nm,Receiving:1 310nm,1.25Gb/s,-9.0dBm,-3.0dBm,- 24dBm,LC,GE/FE autonegotiation |         |

#### 1Gbps Electrical Transceiver

| BOM Number | Order Name | Description  | Remarks |
|------------|------------|--|---------|
| 02310VPT   | OEGD01N02  | Optical functional module,1000BASE-T -SFP RJ45Electrical Module,Auto Negotiate,100m ,- 40~85degC |         |

#### 155Mbps eSFP Optical Transceiver

| BOM Number | Order Name          | Description   | Remarks |
|------------|---------------------|---|---------|
| 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)   |         |
| S4015716   | eSFP-FE-LH80-SM1550 | Optical Transceiver(eSFP,1550nm,STM1,- 5dBm~0dBm,-37dBm,Singlemode,LC,80Km)   |         |

#### 155Mbps eSFP 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,-                     |         |

| BOM Number | Order Name | Description         | Remarks |
|------------|------------|---------------------|---------|
|            |            | 32dBm,LC/PC,SM,15km |         |

## For More Information

For more information about the NetEngine 8000 M6 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](mailto:support_e@huawei.com)

---

**Copyright © Huawei Technologies Co., Ltd. 2020. 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.

### Trademarks and Permissions

 HUAWEI and other Huawei trademarks are trademarks of Huawei Technologies Co., Ltd.

All other trademarks and trade names mentioned in this document are the property of their respective holders.

### Notice

The purchased products, services and features are stipulated by the contract made between Huawei and the customer. All or part of the products, services and features described in this document may not be within the purchase scope or the usage scope. Unless otherwise specified in the contract, all statements, information, and recommendations in this document are provided "AS IS" without warranties, guarantees or representations of any kind, either express or implied.

The information in this document is subject to change without notice. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute a warranty of any kind, express or implied.

### Huawei Technologies Co., Ltd.

Address: Huawei Industrial Base Bantian,  
Longgang Shenzhen 518129 People's  
Republic of China

Website: [www.huawei.com](http://www.huawei.com)