NE08E-S6 Configuration Help

1. **Please select the target version(If you select expansion, then the version means the delivery version after expansion)**

   1.If you select expansion, then the version means the delivery version after expansion.
   2.Please confirm the corresponding iManager version is correct when you select the version:
   V200R005C00:the corresponding iManager U2000 version is V200R014C60 or later.the corresponding eSight version is V300R003C00 or later.
   V200R005C10:the corresponding iManager U2000 version is V200R015C50 or later.the corresponding eSight version is V300R003C10 or later.
   V200R006C00:the corresponding iManager U2000 version is V200R015C60 or later.the corresponding eSight version is V300R005C00 or later.
   V200R006C10:the corresponding iManager U2000 version is V200R016C50 or later.the corresponding eSight version is V300R006C00 or later.
   V200R006C20:the corresponding iManager U2000 version is V200R016C60 or later.the corresponding eSight version is V300R007C00 or later.
   V300R002C00:the corresponding iManager U2000 version is V200R016C60 or later.the corresponding eSight version is V300R007C00 or later.
   V300R002C10:the corresponding iManager U2000 version is V200R017C50 or later.the corresponding eSight version is V300R007C00 or later.
   V300R003C00:the corresponding iManager U2000 version is V200R017C60 or later.the corresponding eSight version is V300R008C00 or later.
   V300R003C10:the corresponding iManager U2000 version is V200R018C50 or later.the corresponding eSight version is V300R009C00 or later.
   V300R005C00:the corresponding iManager U2000 version is V200R018C60 or later.the corresponding eSight version is V300R009C00 or later.

2. **Need Basic Software CD or not**

   The basic software has been loaded on the equipment, and can be downloaded from http://support.huawei.com. The CD is not delivered by default. If the CD is required by customer, please choose 'YES'.
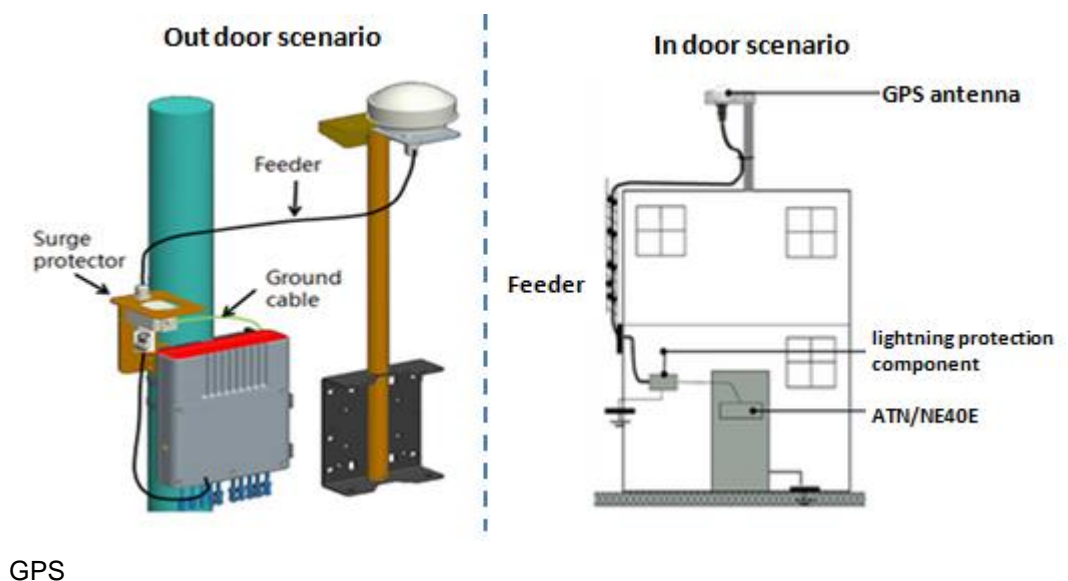
3. **===Basic Configuration===**

   o 3.1 **Please select the type of system**

   1.The host (internal DC) doesn't contain Optical modules, E1 cables, Fibers and Optical Attenuators. When the power supply is AC, it is necessary to configure an external AC power supply system which can convert AC power into DC power.

2.Compare to basic system,Clcok enhanced system support 1588ACR

3.S6 supports AC and DC,S6E support only DC

4.DC power supply is used, each host can be configured with a maximum of 6 LPUs. AC power supply is used, each host can be configured with a maximum of 4 LPUs.

4.S9 DC power supply is used, each host can be configured with a maximum of 9 LPUs. AC power supply is used, each host can be configured with a maximum of 6 LPUs.

- ○ 3.2 **Need Atom GPS or not**

The installation wizard, see the right accessories material

GPS

- ○ 3.3 **Please select the type of Installation Parts**

1. The installation parts for the scene "ETSI cabinet" and "on the wall" will be delivered by the selection of this parameter.

2. The installation parts for the scene "on the table" and "23 inch cabinet" will be delivered by default .

- ○ 3.4 **Need Network Box or not (it is suggested to purchase it if the host is used in bad conditions such as corridor or underground room)**

1.The Network Box is used in bad conditions such as corridor or underground room to protect NE08E, and only one host can be placed in a Network Box. Try best to lead the customer to purchase the Network Box after consulting the installation conditions and installation manner in the NE08E Installation Manual.

2.ETSI mounting ear needs to be configured in addition when the equipment mounted in ETSI cabinet.

- ○ 3.5 **Please select the power supply mode**

1. If you select "-48V DC ", can directly supply power to the DC devices.
2. If "220V AC " is selected, you need to configure the 220V/-48V UPM system, and storage batteries.

- 3.6 **Please select quantity of power input**

1 channel input: 1 channel 220V is converted to -48V through 1 rectifier module, and 2 channels are used to supply power to DC equipment; at the same time, 1 channel battery is supported;
2 channel input: 2 channels 220V separately through 2 rectifier modules, forming 2 channels -48V to DC equipment.

- 3.7 **Need BATTERY or not**

use bettery to supply power when main power is off

4. **===Interface Board===**

- 4.1 **4-Port 10GBase-SFP+MACsec Interface Card**

1.configure 10GE SFP+ optical module;
2.Each NE08E-S6E, can be configured with a maximum of 2pcs(Slot1 and Slot2).

- 4.2 **4 Channels 10GE Optical Interface Board(SFP+)**

Specifications:
1)Support interface type:10GE
2)Specifications list:
http://3ms.huawei.com/mm/docMaintain/mmMaintain.do?method=showMMDetail&f_id=CIP181029444845451

Configuration precautions:
1)Each NE08E-S6E can be configured with a maximum of 2pcs(Slot1 and Slot2).
2)Each NE08E-S9 can be configured with a maximum of 2pcs(Slot5 and Slot6).

4 Channels 10GE Optical Interface Board(SFP+)

- 4.3 **2 Channels 10GE Optical Interface Board(SFP+)**

Specifications:
1)Support interface type:10GE
2)Specifications list:

Configuration precautions:
1)Each NE08E-S6 DC model, which can be configured with a maximum of 2pcs,
used in Slot1&Slot2;
Each NE08E-S6 AC model, which can be configured with a maximum of 1pcs, used
in Slot1;
2)Each NE08E-S6E DCmodel, which can be configured with a maximum of 6pcs;
3)Each NE08E-S9 which can be configured with a maximum of 4pcs, used in slot
3~slot 6.

2 Channels

10GE Base LAN/WAN SFP+ Optical Interface Board

2 Channel 10GE

Optical Interface Board(SFP+)

- 4.4 **1 Channels 10GE Optical Interface Board(SFP+)**

Specifications:
1)Support interface type:10GE
2)Specifications list:
http://3ms.huawei.com/mm/docMaintain/mmMaintain.do?method=showMMDetail&f_i
d=CIP181029444845451

Configuration precautions:
Each NE08E-S6 can be used in slot 1 to slot 6;
Each NE08E-S6E can be used in slot 1 to slot 6;
Each NE08E-S9 can be used in slot 1 to slot 9.

1 Channel 10GE

Base LAN/WAN SFP+ Optical Interface Board

o 4.5 **4 Channels GE/FE Optical +4 Channels GE/FE Electric Interface Board**

Need to configure the GE SFP optical module and the cable.

o 4.6 **8 Channels GE/FE Optical Interface Board**

Need to configure the GE SFP optical module.

o 4.7 **4 Channels GE/FE Optical Interface Board**

Need to configure the GE SFP optical module.

o 4.8 **8 Channels GE/FE Electric Interface Board**

Need to configure the cable.

o 4.9 **4 Channels GE/FE Electric Interface Board**

Need to configure the cable.

o 4.10 **4 Channels GE/FE PoE Electrical Interface Board**

Need to configure the cable.

o 4.11 **6 Channels E&M Interface Board**

Specifications:
1)Support interface type:E&M
2)Specifications list:
http://3ms.huawei.com/mm/docMaintain/mmMaintain.do?method=showMMDetail&f_id=CIP181029444845451

Configuration precautions:
1)Based on the actual type of the peer device prepare cables on site;
2)Please select need lightning arrester in outdoor;
3)Each 2 ports need to be equipped with 1pcs Exchange Side Strip, 8pcs GDT Protective Unit. 6 ports need a total of 3PCS Exchange Side Strip, 24PCS GDT Protective Unit. Each board is equipped with 1pcs Side strip brackett and 1pcs IDC Tool in outdoor.

6 Channes E&M Interface Board

- 4.12 **4 Channels Channelized OC-3c/STM-1c POS Optical Interface Board**

STM-1 optical modules to be configured.

- 4.13 **4 Channels OC-3/STM-1 POS Optical Interface Board**

STM-1 optical modules to be configured.

- 4.14 **32 Channels E1 Interface Board(75ohm)**

Need to configure 75ohm E1 cable.

- 4.15 **32 Channels E1 Interface Board(120ohm)**

Need to configure 120ohm E1 cable.

- 4.16 **16 Channels E1 Interface Board(75ohm)**

Need to configure 75ohm E1 cable.

- 4.17 **16 Channels E1 Interface Board(120ohm)**

Need to configure 120ohm E1 cable.

- 4.18 **32 Channels E1 Interface Board**

Support 75ohm/120ohm self-adjustment

- 4.19 **4 Channels FXS/FXO + 2 Channels E&M +2 Channels RS232+2 Channels RS485/RS422 Interface Board**

Specifications:
1)Support interface type:RS-232/RS-485/RS-422,E&M,FXS/FXO
2)Specifications list:
http://3ms.huawei.com/mm/docMaintain/mmMaintain.do?method=showMMDetail&f_id=CIP181029444845451

Configuration precautions:
Need to configure cable.
1)two RS-485/RS-422 interfaces, based on the actual type of the peer device prepare cables on site.
2)two E&M interfaces, based on the actual type of the peer device prepare cables on site.
3)two RS-232 interfaces need to use a maximum of two RS-232 serial port cable.
4)4-channel FXS/FXS interface need to use a maximum of four standard phone lines.

4-Channel FXS/FXO+2-Channel E&M+2-Channel RS232+2-Channel RS485 Board

- o 4.20 **8 Channels V.35/X.21/V.24Interface Board**

Specifications:
1)Support interface type:RS-232/X.21/V.24/V.35
2)Specifications list:
http://3ms.huawei.com/mm/docMaintain/mmMaintain.do?method=showMMDetail&f_id=CIP181029444845451

Configuration precautions:
Need to configure cable.

8-Channel V.35/X.21/V.24 Board

- o 4.21 **4 Channels C37.94 Optical Interface and 4 Channels CoDir64K Electric Interface Board**

Specifications:
1)Support interface type:C37.94 , 64 kbit/s codirectional interface
2)Specifications list:
http://3ms.huawei.com/mm/docMaintain/mmMaintain.do?method=showMMDetail&f_id=CIP181029444845451

Configuration precautions:
Need to configure 2M SFP moudle.

4 Channels C37.94 Optical Interface and 4 Channels CoDir64K Electric Interface Board

5. **===R01S200 Assembly Cabinet===**

- 5.1 **Please select kind of cabinet**

NE08E Outdoor cabinet,When outdoor used or nearby ocean andcontamination,outdoor cabinet is must for NE08E.

- 5.2 **Please select kind of bettery**

Please select battery,if needed

- 5.3 **Please select the Standard of Components for Socket**

S200 support power output,if needed,Plsase slecet the right socket

6. **===10G SFP+ Optical Transceiver===**

- 6.1 **Optical Transceiver,SFP+,1471nm,9.95~11.1Gb/s,LC,SM,70km**

The use of color scheme requires a market technology assessment and is documented on the product line

- 6.2 **Optical Transceiver,SFP+,1491nm,9.95~11.1Gb/s,LC,SM,70km**

The use of color scheme requires a market technology assessment and is documented on the product line

- 6.3 **Optical Transceiver,SFP+,1511nm,9.95~11.1Gb/s,LC,SM,70km**

The use of color scheme requires a market technology assessment and is documented on the product line

- 6.4 **Optical Transceiver,SFP+,1531nm,9.95~11.1Gb/s,LC,SM,70km**

The use of color scheme requires a market technology assessment and is documented on the product line

- 6.5 **Optical Transceiver,SFP+,1551nm,9.95~11.1Gb/s,LC,SM,70km**

The use of color scheme requires a market technology assessment and is documented on the product line

- 6.6 **Optical Transceiver,SFP+,1571nm,9.95~11.1Gb/s,LC,SM,70km**

The use of color scheme requires a market technology assessment and is documented on the product line

- 6.7 **Optical Transceiver,SFP+,1591nm,9.95~11.1Gb/s,LC,SM,70km**

The use of color scheme requires a market technology assessment and is documented on the product line

- 6.8 **Optical Transceiver,SFP+,1611nm,9.95~11.1Gb/s,LC,SM,70km**

The use of color scheme requires a market technology assessment and is documented on the product line

7. **===10G SFP+ Optical Transceiver(Industry Level)===**

- 7.1 **Optical Transceiver,SFP+,850nm,9.8G,LC,MMF,0.1km**

Industrial level optical module, please according to the equipment operating environment to choose appropriate optical module

- 7.2 **Optical transceiver,SFP+,1310nm,10.3125Gb/s,LC,SM,10km**

Industrial level optical module, please according to the equipment operating environment to choose appropriate optical module

- 7.3 **Optical transceiver,SFP+,1550nm,9.95~11.1Gb/s,LC,SM,40km**

Industrial level optical module, please according to the equipment operating environment to choose appropriate optical module

8. **===1G SFP/eSFP Optical Transceiver===**

- 8.1 **Optical Function Module,1000BASE-T,RJ45 Electrical Interface SFP Module,Auto Negotiate,Maximum Transmission Distance 100m**

1.When the SFP interface use the electrical module, it does not support ethernet clock synchronization, 1588V2, and 1588 ACR;
2.S6E does not support electrical modules.

- 8.2 **Optical Transceiver,eSFP,1471nm,100M~2.67Gbps,LC,SM,80Km**

1.Only used for GE interface board, and the wavelength of two ends must be the same.
2.When the CWDM optical transceiver is used in networking, the multiplexer and demultiplexer are required. The products of Transmission Network are recommended .
3.The use of color scheme requires a market technology assessment and is documented on the product line

- 8.3 **Optical Transceiver,eSFP,1491nm,100M~2.67Gbps,LC,SM,80Km**

1.Only used for GE interface board, and the wavelength of two ends must be the same.

2.When the CWDM optical transceiver is used in networking, the multiplexer and demultiplexer are required. The products of Transmission Network are recommended .

3.The use of color scheme requires a market technology assessment and is documented on the product line

- 8.4 **Optical Transceiver,eSFP,1511nm,100M~2.67Gbps,LC,SM,80Km**

1.Only used for GE interface board, and the wavelength of two ends must be the same.

2.When the CWDM optical transceiver is used in networking, the multiplexer and demultiplexer are required. The products of Transmission Network are recommended .

3.The use of color scheme requires a market technology assessment and is documented on the product line

- 8.5 **Optical Transceiver,eSFP,1531nm,100M~2.67Gbps,LC,SM,80Km**

1.Only used for GE interface board, and the wavelength of two ends must be the same.

2.When the CWDM optical transceiver is used in networking, the multiplexer and demultiplexer are required. The products of Transmission Network are recommended .

3.The use of color scheme requires a market technology assessment and is documented on the product line

- 8.6 **Optical Transceiver,eSFP,1551nm,100M~2.67Gbps,LC,SM,80Km**

1.Only used for GE interface board, and the wavelength of two ends must be the same.

2.When the CWDM optical transceiver is used in networking, the multiplexer and demultiplexer are required. The products of Transmission Network are recommended .

3.The use of color scheme requires a market technology assessment and is documented on the product line

- 8.7 **Optical Transceiver,eSFP,1571nm,100M~2.67Gbps,LC,SM,80Km**

1.Only used for GE interface board, and the wavelength of two ends must be the same.

2.When the CWDM optical transceiver is used in networking, the multiplexer and demultiplexer are required. The products of Transmission Network are recommended .

3.The use of color scheme requires a market technology assessment and is documented on the product line

- o 8.8 **Optical Transceiver,eSFP,1591nm,100M~2.67Gbps,LC,SM,80Km**

1.Only used for GE interface board, and the wavelength of two ends must be the same.
2.When the CWDM optical transceiver is used in networking, the multiplexer and demultiplexer are required. The products of Transmission Network are recommended .
3.The use of color scheme requires a market technology assessment and is documented on the product line

- o 8.9 **Optical Transceiver,eSFP,1611nm,100M~2.67Gbps,LC,SM,80Km**

1.Only used for GE interface board, and the wavelength of two ends must be the same.
2.When the CWDM optical transceiver is used in networking, the multiplexer and demultiplexer are required. The products of Transmission Network are recommended .
3.The use of color scheme requires a market technology assessment and is documented on the product line

9. **===155M SFP/eSFP Optical Transceiver(can be used as FE Optical Transceiver)===**

- o 9.1 **Optical Transceiver,eSFP,1310nm,STM1,LC,SM,2km**

Configured with MP8A board cable

10. **===BIDI XFP/eSFP Optical Transceiver===**

- o 10.1 **Optical Transceiver,eSFP,GE,Tx1310/Rx1490,LC,SM,10km**

If the operating wavelength of one side is Tx1310/Rx1490, the other side should be Tx1490/Rx1310.

- o 10.2 **Optical Transceiver,eSFP,GE,Tx1490/Rx1310,LC,SM,10km**

If the operating wavelength of one side is Tx1490/Rx1310, the other side should be Tx1310/Rx1490.

- o 10.3 **Optical Transceiver,eSFP,GE,Tx1310/Rx1490,LC,SM,40km**

If the operating wavelength of one side is Tx1310/Rx1490, the other side should be Tx1490/Rx1310.

- o 10.4 **Optical Transceiver,eSFP,GE,Tx1490/Rx1310,LC,SM,40km**

If the operating wavelength of one side is Tx1490/Rx1310, the other side should be Tx1310/Rx1490.

- 10.5 **BiDi Transceiver,SFP+,Tx1330/Rx1270,2.5Gb/s to 11.3Gb/s,LC,SM,10km**

If the operating wavelength of one side is Tx1330/Rx1270, the other side should be Tx1270/Rx1330.

- 10.6 **BiDi Transceiver,SFP+,Tx1270/Rx1330,2.5Gb/s to 11.3Gb/s,LC,SM,10km**

If the operating wavelength of one side is Tx1270/Rx1330, the other side should be Tx1330/Rx1270.

11. **===Patch Cord===**

- 11.1 **Please select the client interface option of patch cord**

Default LC/PC,10m.If need other specification, Please change it at "Bill of Configuration".

12. **===Cable===**

- 12.1 **Select the type of C13 AC power cable**

Select the type of AC power cable carefully

- 12.2 **Please select the length of 16E1 cable**

The values of this parameter only contain the common length value. If there is special requirement, please modify the value from "Bill of Configuration".
Notice: For 75ohm E1 configuration, please provide "75-1-1" coaxial connector if customer prepared by themselves.

- 12.3 **Need Shield Network Cable for GE/FE electronic interface or not**

Consider the EMC requirements,shielded cable is recommended

- 12.4 **Please select the length of Shield Network Cable(m)**

The values of this parameter only contain the common length value. If there is a special requirement, please modify the value from "Bill of Configuration".

- 12.5 **RS232/FXS/FXO/E&M port cable**

  - 12.5.1 **Please input the quantity of RS232/RS485/RS422**

NED1MPAA and NED1SA8 boards support RS232/RS485/RS422 interface,NED1MPAA board supports a maximum of two RS232 cable, two RS485/RS422,NED1SA8 board supports a maximum of 8 pieces of RS232 cable

- 12.5.2 **Please input the quantity of FXS/FXO**

NED1MPAA board supports four FXS/FXO interface,NED1MPAA board supports a maximum of need 4 standard phone lines

- 12.5.3 **Need E&M or not**

NED1MPAA board supports 2-channel E&M interface,NED1MPAA board supports a maximum of 2 pieces of E&M cable

- 12.5.4 **Need lightning arrester or not**

Arrester must be configured when cable is used in outdoor.

- o 12.6 **Please select the type of NED1SA8 board cable**

- 12.6.1 **Please input the quantity of X.21-DTE**

NED1SA8 board supports 8-channel X.21 interface,NED1SA8 board must be equipped with an 8 records at most X.21 DTE cable

- 12.6.2 **Please input the quantity of X.21-DCE**

NED1SA8 board supports 8-channel X.21 interface,NED1SA8 board must be equipped with an 8 records at most X.21 DCE cable

- 12.6.3 **Please input the quantity of V.24-DTE**

NED1SA8 board supports 8-channel V.24 interface,NED1SA8 board must be equipped with an 8 records at most V.24 DTE cable

- 12.6.4 **Please input the quantity of V.24-DCE**

NED1SA8 board supports 8-channel V.24 interface,NED1SA8 board must be equipped with an 8 records at most V.24 DCE cable

- 12.6.5 **Please input the quantity of V.35-DTE**

NED1SA8 board supports 8-channel V.35 interface,NED1SA8 board must be equipped with an 8 records at most V.35 DTE cable

- 12.6.6 **Please input the quantity of V.35-DCE**

NED1SA8 board supports 8-channel V.35 interface,NED1SA8 board must be equipped with an 8 records at most V.35 DCE cable

- o 12.7 **Please input the quantity of MP8A board cable**

MP8A board support SFP and RJ-45 interface,4 PCS fibre-Optical and 4PCS 120ohm 1*E1 cable can be configured at most for each MP8A.