EOC Outdoor Master User Manual

Catalogue

1　Introduction

Thanks for using our EOC Master!

EOC Master is an Ethernet access equipment design for solving Two-way Reconstruction in CATV Network. Its uplink port connects to IP Port and downlink mix CATV signal to deliver TV program and IP data. We offer diversified and customized service to you.

It's very easy to install EOC Master so you can finish the configuration according to this user's manual. Before using our equipment, please read this book.

1.1 Application

The user manual will help you to know and use EOC Master correctly.

1.2 Commitment

Equipment mentioned in this manual refers to EOC Master without special description.

1.3 Packing List

One packing box includes:
- ✧ One EOC master
- ✧ One user manual
- ✧ One Quality Passed Certificate

2 Installation preparation

2.1 Product Drawing

2-1 schematic diagram

2.2 Description of LED

Item	Label	Action	Description
Power Indicator	POWER	off	Without electricity
		on	OK
Ethernet	ETHERNET	on	Physical link not connected
		off	Physical link is OK
System Indicator	SYSTEM	off	System doesn't start
		on	System starts
Indication of PLC linking and action	LINK	off	Coaxial cable is not connected or connect in a wrong way
		on	Coaxial cable connect correctly

2.3 Model

Product name	Model	Description
int6400 Series	CD6101	1RF Input,1 Data Input,1COM Output Master, Outdoor type
	CD6101-F1	1RF Input,1 Data Input,1COM Output ,1 Fiber Optic Media Converter ,Master, Outdoor type
	CD6112	2RF Input,2 Data Input,2COM Output Master, Outdoor type
	CD6114	4RF Input,2 Data Input,4COM Output Master, Outdoor type
	CD6611	1RF Input,1 Data Input,1COM Output ,1ONU,Master, Outdoor type
	CD6622	2RF Input,2 Data Input,2COM Output,1ONU, Master, Outdoor type
	CD6624	4RF Input,2 Data Input,4COM Output,1ONU, Master, Outdoor type
	CD7101	1RF Input,1 Data Input,1COM Output Master, Outdoor type

	CD7101-F1	1RF Input,1 Data Input,1COM Output ,1 Fiber Optic Media Converter ,Master, Outdoor type
int7410 Series	CD7112	2RF Input,2 Data Input,2COM Output Master, Outdoor type
	CD7114	4RF Input,2 Data Input,4COM Output Master, Outdoor type
	CD7611	1RF Input,1 Data Input,1COM Output ,1ONU,Master, Outdoor type
	CD7622	2RF Input,2 Data Input,2COM Output,1ONU, Master, Outdoor type
	CD7624	4RF Input,2 Data Input,4COM Output,1ONU, Master, Outdoor type

Note: Product you get depends on goods

2.4 Functional Feature

✧ Support tree-type and star-type CATV network.
✧ Built-in isolation filter with high functionality.
✧ Support user to log in through Web interface to centralize management on the EOC slaves under the master, including VLAN configuration, QoS configuration, port management, log in permission management, status information inquiry and update software.
✧ Support user to log in EOC Master through Console Port,Telnet and configured it.
✧ Support EMS network management.

2.5 Installation environment

Requirements:
➢ Far away from heat emitted devices
Suitable environment:
➢ Temperature: -20℃～50℃
➢ Humidity: 10％～90％(Non condensing)

2.6 Steps of installation

Please install EOC Master as follows:
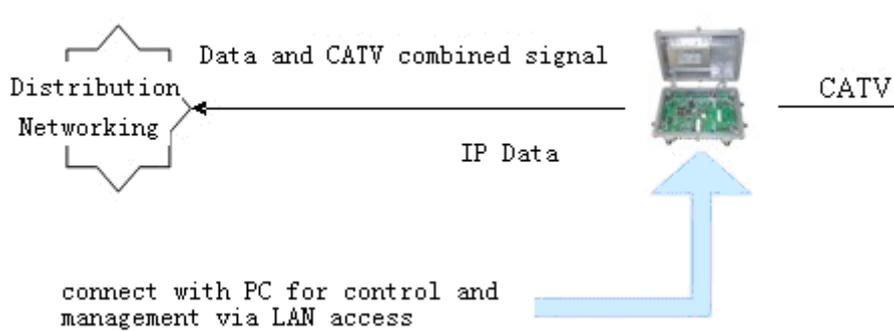
（1） Set up WAN link

Link the cable to LAN. You also can connect the equipment with PC in order to configure EOC Master and manage network.

（2） Connect CATV network

Please connect CATV signal to master's F-connector (CATV INPUT) via coax cable and the other F-connector marked as CABLE combine the CATV and data signal output to the distribution networking ,finally accessing   to the EOC Slave in the subscriber end.

（3） power supply requirement

If equipment has electricity, it will start to work automatically.
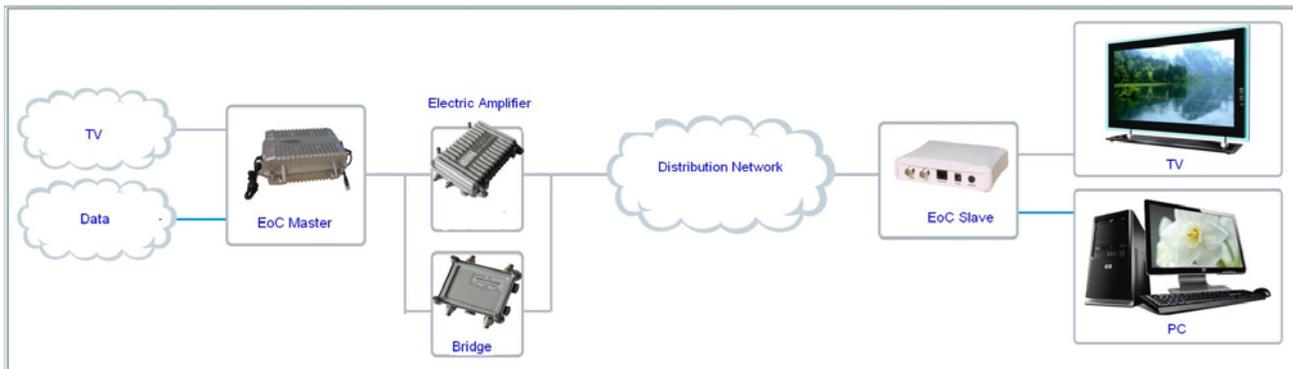You can link equipment as follows:

2-2 Connection Figure

(4)Notice

✧ Each equipment connects to RF port with coaxial cable. Please do not touch the cable's manual connector in case of any interference in communication quality.

✧ Circumscribed repeater or bridge unit should be put besides Amplifier.

✧ If the high level output signal from the EOC master is not filtered well ,it may has impact on the catv channel .In this case ,please add a high passing filter on the catv link to isolate the eoc signal totally .

2.7 Network diagram

2-3 Network diagram

2.8 Frequent Question and Answer

➢ **Power light does not shine**

   1） Check if the power adapter works well.

   2） Check if the power connector is corrected

➢ **System light does not shine**

   1） Use millimeters to check whether 220V/60V input is correct. If not, please change another power adapter.

   2） Check whether IP is connecting. If yes, maybe there is something wrong with Ethernet LED.

➢ **Ethernet light does not shine**

    1） Check the validity of the cable connections; check whether the master panel's indicator light flashing; and check whether cable is working.

    2） Check if cable connects to equipment.

➢ **Cable light does not shine.**

    1) Maybe there is no user access.

2) If there are user access, please press reboot button.

3) Check whether Master is correct. If yes, it means the cable light has something wrong. But it won't influence machine's working.

➢ When there is no data signal input to distribution networking node, EOC Slave CABLE LED is off or flashing.

    1） Disconnect the link and check if the link attenuation is within 60dB,or check if digital /analog TV is working normally. If not, please maintain the coax cable link.

    2） CABLE LED is flashing, indicating there is too much interference .Please check the coax cable networking construction is standard or not .If there is too messy; please maintain the coax cable link.

    3） The electric amplifier doesn't connect with the bridge .If so ,please connect the bridge to the amplifier .
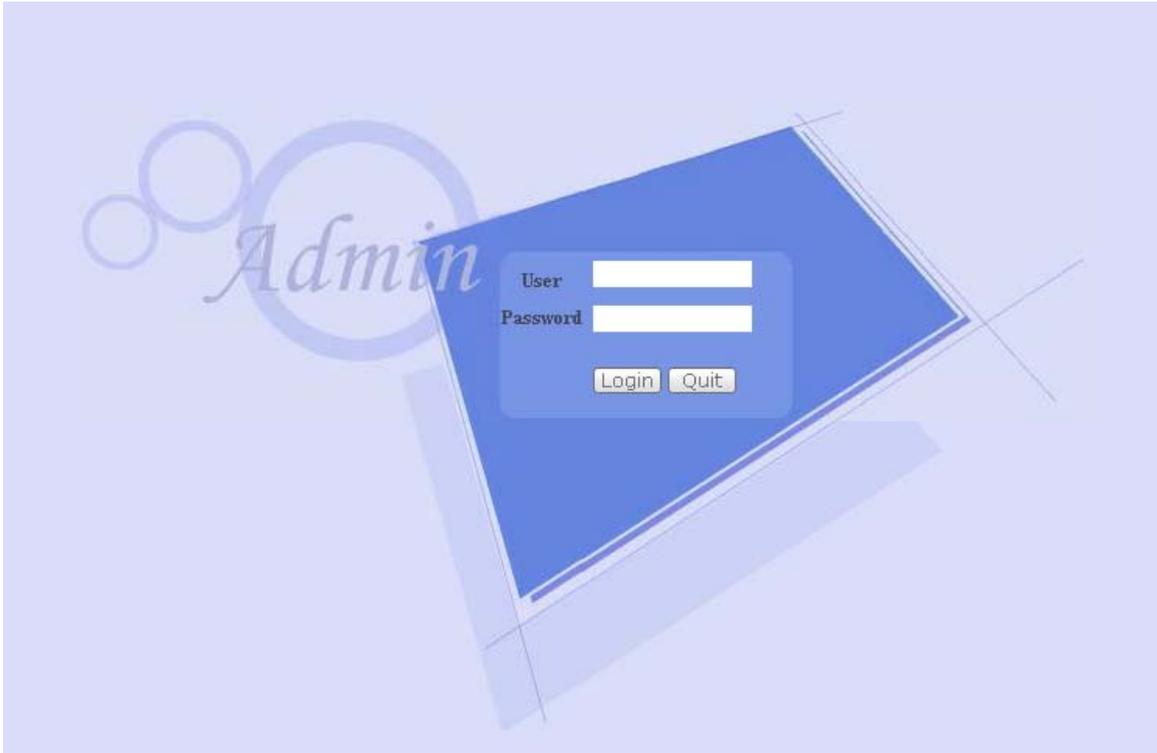
2.9Attention

There is something to be mentioned when you use it:

● All Installation and adjustment must follow user's manual.
● Pay attention to all alarm mark.
● Avoid small metal component entering into equipment.
● Please switch off the power when it's not used for a long time.
● If there is something wrong with the equipment, please contact with professional engineers for instruction.
● Avoid putting equipment in aisle or other places where is crowded with residents.
● Check if ground connection is done well.

3 Equipment test

3.1 Web configuration

Input IP (LAN IP :192.168.2.2)of EOC equipment in IE explorer and write down username and password (admin/admin). You will see following interface:

3-1 Web management

You can configure IP, VLAN, and QOS in Web interface. If there is any problem, please contact with our technology staff.

3.2 CLI configuration

Click "start"－Enter telnet IP

Enter user's name and password (admin/admin), and then you can start to configure equipment.

```
vtysh# list
  configure terminal
  disable
  exit
  list
  master <1-2>
  ping WORD
  reboot
  factory
  slave <all!WORD!<1-64>>
  start-shell
  telnet WORD
  telnet WORD PORT
  write configure
vtysh#
```

3-2 CLI management

You can set IP, VLAN and QOS by CLI. If you have any problem, please contract our technology staff.

Appendix one: Disclosure Table

Parts	Hazardous Substance					
	Pb	**Hg**	**Cd**	**Cr6+**	**PBB**	**PBDE**
Placode	╳	○	○	○	○	○
Plastic element	○	○	○	○	○	○
Metal element	○	○	○	○	○	○
Packaging material	○	○	○	○	○	○
Accessory	○	○	○	○	○	○
○**: Indicates that this toxic or hazardous substance contained in all the homogeneous material, is below the limit requirement of SJ/T11363-2006.** ╳**: Indicates that his toxic or hazardous substance contained in all the homogeneous material fort is beyond the limit requirement of SJ/T11363-2006.**						