

# **EoC Master CA4300 indoor series Operation Manual**

Chengdu Guangda New Network Technology Co., Ltd

Dear users, thank you for choosing GD. LINK coaxial broadband products. We provide you with this product for the realization of coaxial cable load Ethernet data signal function. After realizing FTTB, broadcasting network operators can transmit data and TV signals on coaxial cables. It can be widely used in broadband Internet access, IP TV, IP voice and other services.

In order to make better use of this product, please install the equipment according to the requirements in this manual. If there is something unknown, please call our customer service telephone, we will provide you with remote technical support services.

After unpacking, please check the materials as shown below.

- **Host 1**
- **Power adapter (DC12V) 1**
- **Cold-pressed F-head: 4 (2 in a single mouth)**
- **User Manual 1**
- **Four Footpads**
- **Net Line**



**If any items are missing, please contact the supplier!**

## Brief Introduction

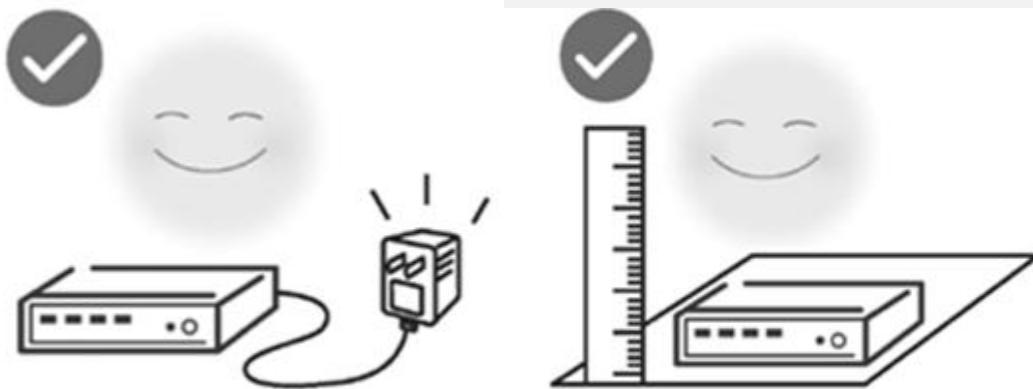
Guangda EOC (coaxial ether) uses HomePlug AV technology, which has the characteristics of high speed, high acceptance sensitivity and high stability. It is suitable for locations with long transmission distance, high speed requirement and high stability requirement. It not only has various advantages of single EOC, but also can flexibly cope with various application environments in corridors. In order to realize the transformation of one-way broadcasting CATV network into a two-way network capable of transmitting Ethernet data without altering the original TV network equipment and wiring. The main features of the product are as follows:

- Two coaxial input ports, two coaxial output ports, two 10M/100M/1000M Ethernet ports and one serial port
- Frequency range 2-67.5MHz(86Mhz for MSE1000 1Gbps)
- Lightning Protection Design Supporting 10/700us 4KV
- Remote Network Management Ability
- Priority Management of QoS Based on VLAN
- Uplink and Downlink Bandwidth Limitation
- Insertion loss less than 1dB
- Low-power "green energy-saving" standby mode with power consumption less than 5W at full load
- Supporting Dual Channel TV Signal Access
- Temperature of working environment - 20 ~60
- Power supply mode: DC12V
- 24-hour rigorous aging test

## Installation notes

electric box, the working environment is relatively bad, user installation and use of the environment on the reliability of equipment has a great impact. In order to ensure the long-term stability of the equipment, users should try to meet the following environmental requirements when installing the equipment.

1. keep away from heat sources and keep ventilation.
2. place the equipment on a flat surface.
3. place the equipment in a low dust and dry environment.



Use equipment rated power adapter    Place the device on a flat surface



Keep away from heat, keep ventilated

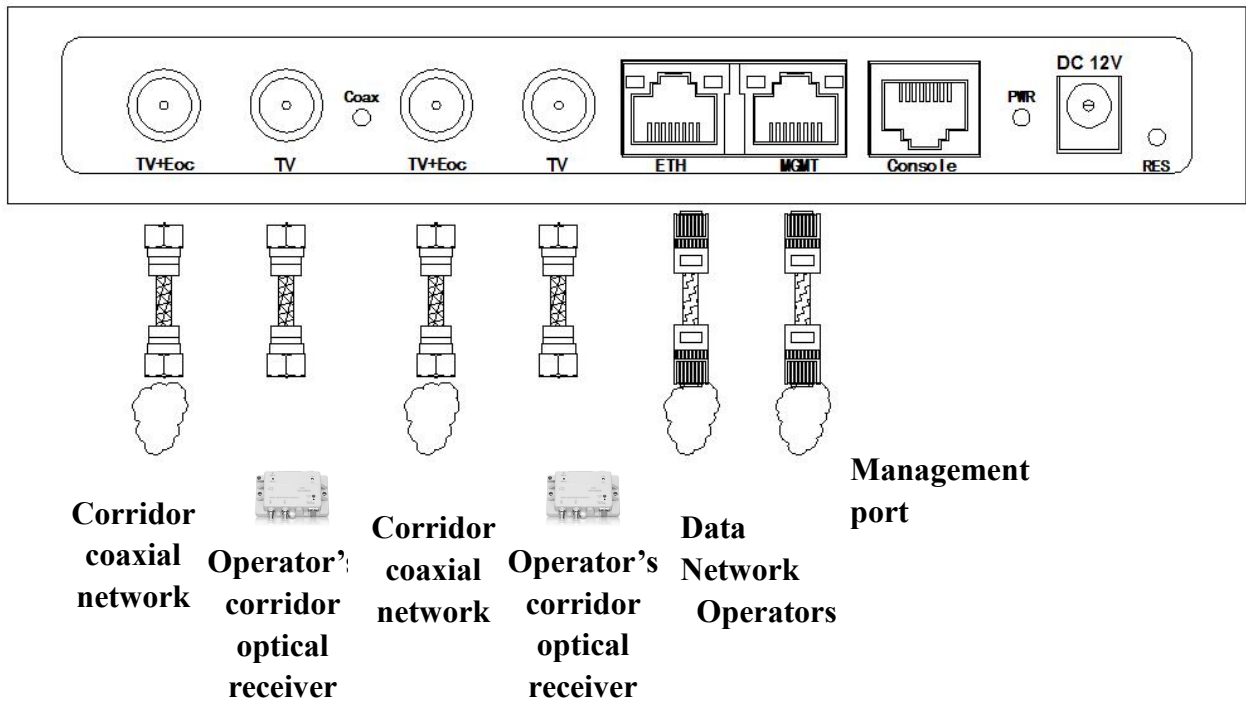
Keep away from dust, keep dry



To ensure the normal operation of the equipment, please use it as required.

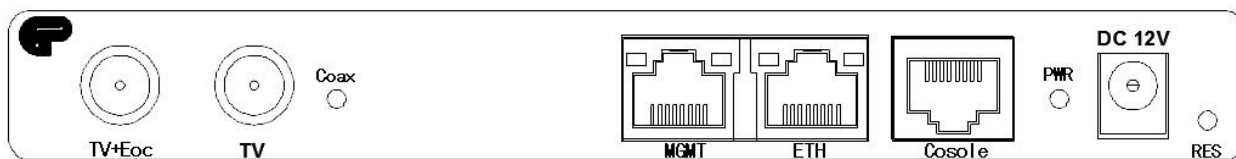
## Start installation

### 1 Schematic diagram of device connection

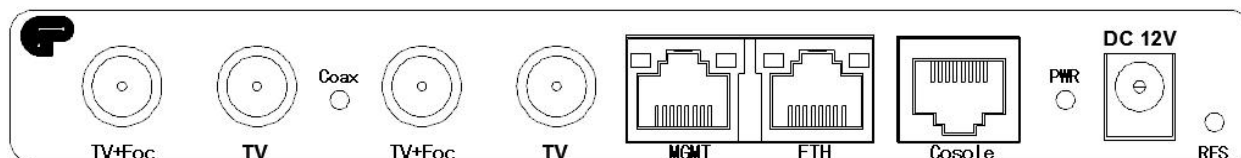


The figure above shows the typical application of this product. Please proceed with the project construction as shown in the figure above. After entering the local equipment, the TV signal from the optical receiver is mixed with the modulated data signal and transmitted to the corridor coaxial cable network. Data signals are used to connect operators' data networks. Serial port is used to configure the product. The configuration method is shown in the software configuration manual of this product. The power supply is powered by an AC220V-DC12 adapter. (Single channel only connects 1 Channel - TV signal and mixed signal)

## 2 Panel wiring instructions



Single channel front panel



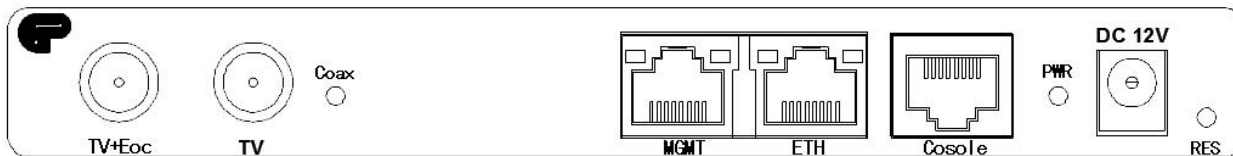
Dual channel front panel



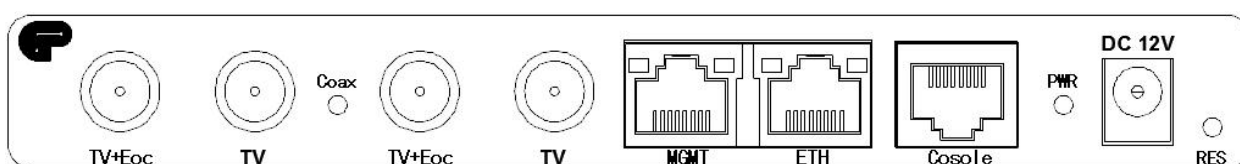
Real panel

Port	Interface type	function
TV Signal *2	Imperial RG6	The TV signal input port is used to connect the Lou Daoguang receiver.
Mixed signal*2	Imperial RG6	Signal output port, output of television and data mixed signal, used to connect to the user's coaxial cable network.
Data Signal	RJ45	10M/100M/1000M Fast Ethernet interface. For upper link to operator data network.
Management	RJ45	Out of band management port
Serial port	RJ45	Debug port, device command line interface. The baud rate of interface is 115200.
	DC	DC12V power input port.
	--	Earthing screw
RESET	--	RESET BUTTON

### 3 Indicator



Single channel



Dual channel

Indicator		Description	function
Power supply		Power supply indicator	Extinguish: not on power. Lighting: power up
Data signal	yellow	Ethernet port data receiving and sending instructions	Flicker: data transceiver
	Green	Ethernet port connection status indicator	Extinguish: port is not built. Lighten: port has been built chain
Coaxial		Coaxial status indicator lamp	Extinguish: no user terminal is connected to this device. Lighting: there is a user terminal connected to this device. Flicker: data transceiver

Chengdu Guangda New Network Technology Co., Ltd ( NEEQ: 831839)

Add: No.701, 7/F, 3 KaiLe International Building, 14 Juixing Avenue,Hi-tech Development Zone, Chengdu,Sichaun, China

Tel: 0086 28 8518 6186 Fax: 0086 28 8518 9814

Email: [gaowd@catvgd.com](mailto:gaowd@catvgd.com); WEBSITE: [www.catvgd.com](http://www.catvgd.com)