



# Cable Modem Termination System

JH-HE2080 CMTS & JH-NMS

**Chongqing jinghong High-Technology CO., LTD**

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## Company's profile

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Chongqing jinghong High-Technology CO., LTD is a stock company located in high-tech district , Chongqing City. As a professional manufacturer of CMTS, mostly engage in researching/ designing/producing/selling wired network data transmission equipments and software. We also bend ourselves to DOCSIS technology and application of IP in wide band service. We provide whole solution and professional system integration for the construction of HFC. We have close technical cooperation with Chongqing University and own a R&D group that make up of professors, doctors, masters and senior engineers. We also own a group of masterly and experienced engineers and competent administrators. We have continuable R&D and professional engineering actualization ability.

In 1999, we fetched in core chip of Broadcom corporation in America. Cooperated with Chongqing University we first developed CMTS according with HFC actual state that based on DOCSIS Standard. After several years of unceasing amelioration, the capability and function of our products are more stable, credible and practical. Especially the network management software that coordinate with the CMTS. It need not professional workstation and configure simply. It can adapt the disposition require of various network environment. Also it satisfies the consumer's function acquire and operation custom with real time mode. In 2006, we successfully extruded only 1U miniaturization CMTS--JH-HE2080 with stronger capability, smaller cubage and lower price. We provide product with more advantage for broadcast television.

Our CMTS is fully compliant with DOCSIS/EuroDOCSIS1.1. Combined with the bidirectional HFC net, it can build the CATV network into broadband data transmission platform that integrated television, voice and data. We can supply CATV users high-speed internet access, Video-On-Demand, SOHO, long-distance education and IP phone, etc.

After several years of hard struggle, we insist on high-tech and high quality. This makes us developing unceasingly. At present, our CMTS has a wide application in telecom, Netcom, Broadcast, cable network cooperation, etc. Meanwhile, our quality, service and technology win the consumers' trust and admiration. The fact is that our CMTS can replace the import equipment completely .

service feature

- we promise to withdraw equipment in 3 months.
- upgrade software for free in two years, and keep hardware in good repair for one year.
- we supply spare equipment in the maintain period.
- we promise to recall the equipment when found serious disfigurement.
- professional technical sustain for 24 hours, 7days a week.



## JH-HE2080 CMTS

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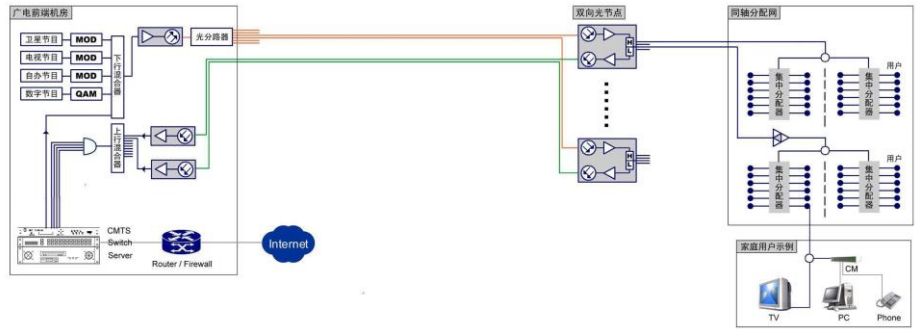
### characteristics

- Compliant with DOCSIS/EuroDOCSIS1.1
- Minimization 1U design
- 4 upstream channels,1 downstream channel
- Integrated upconverter, LCD display.
- Adopt high capability CPU,
- Special power supply
- realizable of tele-management
- high capability, low price,

## JH-HE2080 Four application

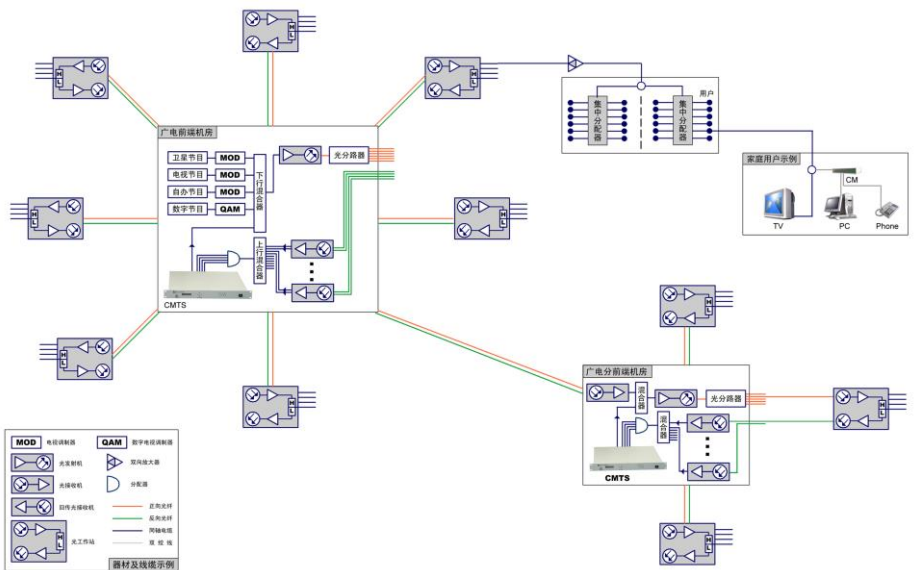
### 1. initial stages

- Deploy a CMTS in the front hall, cover more than myriad TV users.
- Provide internet access, and constitute local broadband information service according to actual situation.
- Fit the HFC network with 500 ~800 users.
- Along with the increment of the customer, the CMTS can be superimposed to make the network band width increase doubles

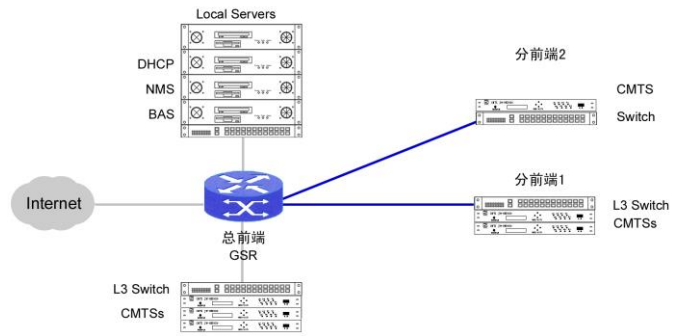


### 2. Medium network

- Wired network structure usually adopt star topologic structures, and two plural front ends at least.
- CMTS is located in the front and branch. You can superpose CMTS to proceed capacity-expansion along with the increase of the operation.

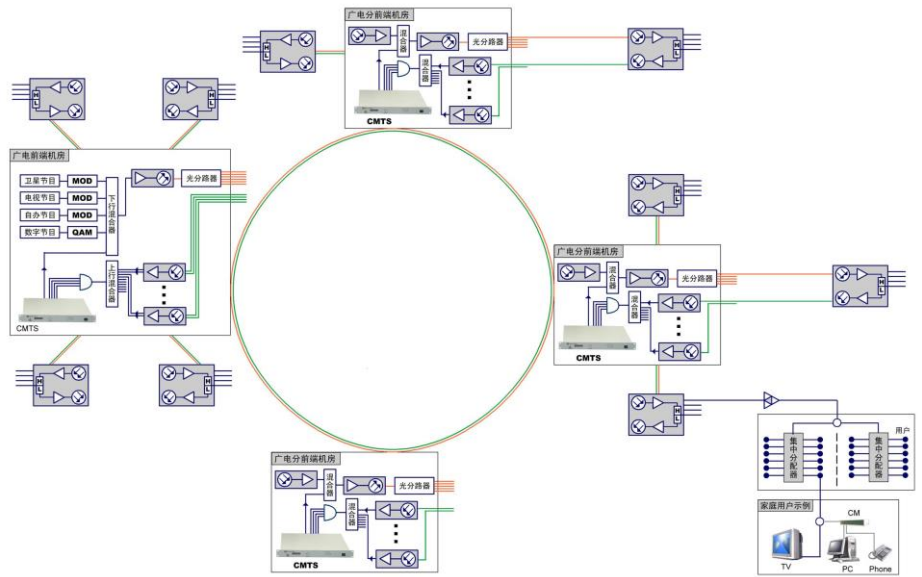


- The IP network may plan for the core level and access level two structures。
- adopt the centralism method to manage the CMTS equipment and the CM user's authentication management
- The core point may access radio and television network or telecom city territory net as the gathering level .



### 3. Large-scale network

- The structure of wired network usually is annular or loop-star topology.  
In the operation develop initial days, CMTS is located in the branch or govern front ends, along with the increase of the operation, you can superpose CMTS equipment to proceed capacity-expansion.
- IP network is a three-layer structure including core layer, concourse layer and access layer
- Adopt distributing mode to manage CMTS equipment and CM user's authentication.



### 4. IP voice communication

- Base on non-connect grouping package switch.
- Cable Modem system provides transparent connection of IP voice communication
- IP voice gateway connects with the host exchange with 10/100baseT, and provide multi\_E1 interface to switch on PSTN through telecom。
- The customers select CM mode with VoIP interface or common CM add IAD mode
- Telecom and broadcast double win the cooperation, simultaneously provides Internet high speed access and the IP telephone services.

