EoC Outdoor Master

1.Summary

EOC Outdoor Master is active EoC Network Concentrator with HomePlug AV technique.There are TV and data signals on one coaxial-cable.It's the best choice for digital TV network for it's long distance transmission, good network adaptability, and high-bandwidth.

2.Performance Characteristic

◆ High rate:Adopt high-speed multi-carrier modulation technique,so physical layer rate is up to 200Mbps.

◆ High abilities of prevent interference:OFDM modulation, multi-carrier technology can ensure that the data transmission in a noisy environment is stable.

◆ High security:Protect transmitting data with 128 bits data encryption.

◆ Wide network adaptability:Signal can pass through amplifiers and splitters with standard interfaces to achieve rapid installation and debugging.

◆ Great business application styles:Support multicast interception of EoC link to achieve good multicast management for EoC network.Support business priority differencing to ensure VOD and VoIP for time-sensitive.Support VLAN（802.1Q）to ensure privacy.

◆ Powerful network management functions:Support SNMP.Manage devices with remote network management system, local WEB or CLI interface.Support online and offline configuration and automatic and bulk configuration for network node in order to support stable network.

◆ Remote transmission:Maximum attenuation distance of Ethernet over Coax is 500 m.

3.Technique Parameter

Parameter	Specification
Standard	Ethernet standard IEEE802.3、IEEE802.3X、IEEE802.3u
EoC Protocol	Comply with HomePlug AV standard
Protocol	CSMA/CA
Transmission Rate	200Mbps
Frequency Range	7～30MHz
Transmitting Power	≤110 dBuV
Modulation Technique	OFDM anti-noise modulation 1024/256/64/16/8-QAM、QPSK、BPSK、ROBO
Transmission Distance	＜500m（＜60dB attenuation）
Security	128 bits data encryption
VLAN	IEEE802.1Q (VLAN lagging)
QoS	Support ToS and CoS packet classification
Flow Control	Support flow control based on interface
Management	Support SNMP protoco.Manage devices with remote network management system, local WEB or CLI interface.Support online and offline configuration and automatic and bulk configuration for network node.Provide copious logs and alarms
Concurrent User	Support 64 CNUs　at most
Overall Power Consumption	<6W
Power Supply	220V AC/50Hz or 60V AC/50Hz
Environmental Requirement	●Operational Temperature：0℃～50℃ ●Storage Temperature：-20℃～70℃ ●Operational Humidity：10%～90%（Non-condensing） ●Storage Humidity：5%～90%（Non-condensing）
Operation System	Support Windows 98SE、Windows 2000、Windows ME、Windows XP 32/64 bits and Vista 32/64 bits