

EOC slave



1. Introduction

EOC Slave is the active EoC terminal device that developed based on HomePlug AV/IEEE P1901 standard. It's used with EoC master together in the CATV cable network to transmit and receive Ethernet signals without affecting the original CATV signals.

2. Feature

- (1) High speed: Adopt high-speed multi-carrier modulation technology
- (2) Strong anti-interference ability: OFDM modulation, multi-carrier technology ensures to transmit the data stably in the noise environment.
- (3) High security: Adopt 128 bit AES data encryption, effectively protect the data transmission security.
- (4) Long transmission distance: The maximum attenuation distance of the coaxial network is 1000m.
- (5) Rich network management: Support SNMP protocol, manage EOC Master and Slave by the remote NMS, local WEB or CLI interface
- (6) Simple application: Plug-and-play operation for easy setup and installation.

3. Technical Parameters

Parameters	Specification
Channel frequency	7.5~65MHz
Output Power	≥105dBμV
Receive Sensitivity	25-30dBμV
RF Connector	2 F type Female sockets(English system)
Output impedance	75Ω
Modulation mode	OFDM BPSK QPSK 16/32/64/128/256/512/1024/2048/4096QAM The number of subcarrier: 2880
Work mode at MAC layer	CSMA/CA
Throughput rate	100Mbps

Eth Connector	4 RJ-45 ports
Standard	IEEE802.3,IEEE802.3af, 10/100/1000Base-T
Smart bit	64Byte~1518Byte
VLAN	IEEE802.1Q (VLAN tagging)
Security	128-bit AES data encryption
EoC SNMP	Meet HomePlug AV/IEEE P1901 relative standard
Management	Support SNMP protocol, manage EOC Master and Slave by the remote NMS, local WEB interface

WIFI property

WLAN Standard	IEEE 802.11 b/g/n/u
Data Rate	802.11n: 6.5, 13, 19.5, 26, 39, 52, 58.5, 65, 78, 104, 117, 130 Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps auto-adaptation 802.11b: 1, 2, 5.5, 11 Mbps auto-adaptation
Multiple SSID	Max support two SSID SSID broadcast control
Wireless Security Control	Open System, WEP 64/128 BITS, WPA,WPA2, 802.1i, WAPI, TKIP, MAC Address Filtering, Support to filter based on the protocol, IP address and protocol port
Network Feature	
VPN	PPTP/IPSec/L2TP pass-through
Vlan	<ul style="list-style-type: none"> ● 802.1Q VLAN ● 802.1P
Network Function	CSMA/CA、CSMA/CD、TCP/IP、PPPoE、DHCP、ICMP、NAT protocols DHCP server Static Address Assignment SPI NAT firewall Support the filtering of PING, broadcast and mukticast package, and the content filtering of MAC address, IP address, URL and realm name Support static route Automatically isolate virus Change and clone MAC address QOS Support remote management Support multiple language i18n
Configuration Management	<ul style="list-style-type: none"> ● WEB Configuration management and software upgrade ● Quick configuration guide

Power supply	DC12V
Operating Temp.	-20℃ ~ +70℃
Power consumption	<5W
Relative Humidity	Less than 95%
Gas pressure	70kpa~106kpa
No causticity gas, no dust, no magnetic field disturb	
In the real operation, there is no filter noise problem. when working at -20℃ ~ +70℃, no hang.	

