

Terrabit EOC- Terrabit Ethernet over Coax Master side unit



PD-EOC-M/A Indoor EOC Master

PD-EOC-M/A is the EOC master based on HomePlug AV solution for Ethernet access on coax. It works together with EOC Slave which is based on HomePlug AV solution. It provides coax cable Ethernet Access to users based on CATV coax cable which has layer-two Ethernet data transmission channel.

PD-EOC-M/A uses INT7410 chipset and has OFDM Module technology which has highly interference resistance. It takes 7.5MHz-65MHz frequency and 500Mbps Physical layer bandwidth. The max MAC layer bandwidth is 300Mbps.

PD-EOC-M/A has no influence on CATV service and can be convenient constructed without changing current CATV network. One Master Equipment could support 253 slaves at most. The network structure can be star type or tree type.

PD-EOC-M/A is indoor master. It takes up small space and has light weight, so it can be put in corridor or outdoor waterproof box.

Features

- Low frequency modulated EOC master, uses INT7410 chipset, HomePlug AV solution
- Takes up 7.5-65MHz frequency and has no influence on CATV service
- Physical layer bandwidth is 500Mbps and MAC layer bandwidth can be 300Mbps at most
- One master could support 253 slaves at most
- Support encryption of uplink and downlink data
- Support slave isolation
- Support VLAN and QOS configuration
- Dynamic bandwidth allocation
- Support broadcast storm limitation
- Support database statistic
- Auto transmission of slave configuration from uplink EOC master
- Support in-band and out-band network management
- Support WEB, CLI and SNMP management
- Support on-line upgrading

Specifications

Items	Specification	Parameter
Interface & Indicator	RF Interface	One TV(TV signal) output port, metric or British F-type connector(female) One CABLE(mixture signal) output port, metric or British F-type connector(female)
	Ethernet Interface	One 10/100/1000M auto-adaptive RJ45 port
	Power Supply Interface	220V power supply cable(220V power supply module) or 60V power supply
	Indicator	One power LED One system working status LED One CABLE connection status LED Each Ethernet port has one working status LED
Performance Parameters	RF Attribute	Frequency Band: 7.5-65MHz Transmitting Power:120dBu Receiving Sensitivity:-65dBm Reflection Loss:>16dB Output Resistance:75Ω
	Transmission	Physical layer bandwidth: 500Mbps MAC layer bandwidth: 300Mbps
	Modulation Mode	OFDM-2690-carriers 4096/1024/256/64/16/8-QAM QPSK, BPSK, ROBO
	Working Mode	TDMA/CSMA
	Encryption Mode	AES-128
	Standard Compliance	EOC Standard
Ethernet Standard		IEEE 802.3, IEEE 802.3x, IEEE 802.3u IEEE802.1P, IEEE802.1Q
Software	Management Mode	WEB, CLI, SNMP
	NMS Function	VLAN, QOS, bandwidth limitation, broadcast limitation
Physical features	Power Supply & Consumption	Power Adapter:12VDC 1.0A Consumption: < 8W
	Size & Net weight	Dimension: 202×123×38mm Net weight: 0.7kg
	Environment Attribute	Working Temperature: 0~50C Storage Temperature : -10~70C Working humidity: 20%~85%, non-condensing Storage humidity:10%~90%, non-condensing

Ordering information

- **PD-EOC-M/A** EOC Master unit, support 253 slaves at most