

## EOC Slave– CD5301CE



CD5301CE is the EOC slave based on HomePlug AV solution for Ethernet access over coax. It works together with EOC master which is based on HomePlug AV solution as well to construct a two-layer Ethernet data transmission channel on CATV coax cable, provide the Ethernet access service based on the existing coax cable networking.

CD5301CE is based the Mstar chipset solution, with high anti jamming capability OFDM technology. The 7.5–65MHz low frequency band is used for EOC signals. Built in high isolation filter as CATV RF and EOC signal mixer, the EOC signal and CATV signal in 87~862MHz can run on one cable without interference. The PHY Layer speed is 500Mbps,the MAC Layer throughput is up to 320Mbps.

### Features:

- Based on HomePlug AV solution and Mstar chipset
- 7.5–65Mhz frequency for EOC signals., no influence on CATV Service
- PHY Layer speed 500Mbps
- Support data encryption
- 1\*100M auto–negotiation Ethernet port
- Support the isolation of slave under one master
- Support Port–based VLAN and 802.1q VLAN
- Support bandwidth limited
- Support QOS configuration based on slave port or VLAN.
- Support broadcast storm control.
- Support data packages count
- Automatically distribute configurations to newly connected slaves, available to use as soon as correctly connected and power on.
- Support WEB,CLI and SNMP management
- Support on–line upgrading

### Specification

Item	Parameters	CD5301CE
Interface & indicator	RF interface	1*CABLE(MIX)INPUT, metric/inch F connector
	Ethernet interface	1*10/100M auto–negotiation, RJ45

	Power interface	1*DC12V power supply interface	
	LED indicators	1 x power indicator 1 x SYS indicator 1 x CABLE indicator 1 x LAN indicator	
<b>Performance parameters</b>	RF parameters	Frequency:7.5–65MHz Output level:115±5dBuV	
		Receive sensibility:65dBuV Return loss:>16dB Output impedance:75Ω	
		Transmission	PHY Layer:500Mbps Throughput on MAC Layer:320Mbps
		Modulation Mode	OFDM- 2690-carriers 4096/1024/256/64/16/8-QAM, QPSK, BPSK, ROBO
	Working Mode	TDMA/CSMA	
	Encryption Mode	AES-128	
	<b>Standard</b>	EOC Standard	IEEE P1901(Draft) HomePlug AV
Ethernet Standard		IEEE 802.3, IEEE 802.3x, IEEE 802.3u IEEE802.1P, IEEE802.1Q	
<b>Software</b>	Network Management	CLI, SNMP, WEB	
	Software Features	VLAN, QOS, Bandwidth Control, Broadcast storm limitation	
<b>Physical Features</b>	Power supply & Consumption	Power adapter:12VDC 0.5A Power consumption: <3W	
	Dimension	78*78*25mm	

	Weight	0.1kg
	Environment Attribute	<p>Work temperature: 0~50°C</p> <p>Stock temperature: -40~85°C</p> <p>Work humidity: 10%~90%, non-condensation</p> <p>Stock humidity: 10%~90%, non-condensation</p>

## Ordering Information

Product Name	Product Model	Descriptions
MSE510CE scheme wifi EOC Slave	CD5301CE	1*10/100M Ethernet interface, 1 RF input, plastic casing, external power supply adapter