

EOC Slave With 4FE & WIFI



CD5204WL 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.

CD5204WL is the slave with 4 Ethernet ports and WIFI.

CD5204WL is based the Qualcomm 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 600Mbps, the MAC Layer throughput is up to 320Mbps.

Features:

- Based on HomePlug AV solution and Qualcomm chipset
- 7.5-65Mhz frequency for EOC signals., no influence on CATV Service
- PHY Layer speed 600Mbps
- Support data encryption
- 4 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

EOC Specification

Item	Parameters	CD5204WI
Interface & indicator	RF interface	1*TV(RF signal) OUTPUT, metric F connector 1*CABLE(MIX)INPUT, metric F connector
	Ethernet interface	4*10/100M auto-negotiation, RJ45
	Power interface	1*DC12V power supply interface
	LED indicators	1 x power indicator 1 x system indicator 1 x CABLE indicator 1 x WIFI indicator LAN indicator(each Ethernet port has 1 indicator)
Performance parameters	RF parameters	Frequency:7.5-65MHz Output level:110±5dBuV
		Receive sensibility:45dBuV Return loss:>15dB Output impedance:75Ω
	Transmission	PHY Layer:600Mbps 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	
Standard	EOC Standard	IEEE P1901(Draft) HomePlug AV
	Ethernet Standard	IEEE 802.3, IEEE 802.3x, IEEE 802.3u IEEE802.1P, IEEE802.1Q
Software	Network Management	WEB, CLI, SNMP
	Software Features	VLAN, QOS, Bandwidth Control, Broadcast storm limitation
Physical Features	Power supply & Consumption	Power adapter:12VDC1A Power consumption: <8W
	Dimension	160×120×32mm
	Weight	0.5kg
	Environment Attribute	Work temperature: 0~50°C Stock temperature: -40~85°C Work humidity: 10%~90%, non-condensation Stock humidity: 10%~90%, non-condensation

WIFI Specification		
Performance parameters	Operating Mode	Router or bridge
	Throughput	IEEE 802.11b: 11Mbps IEEE 802.11g: 54 Mbps IEEE 802.11n: 135Mbps
	Frequency	2.412 ~ 2.472 GHz
	Channel	13*Channel, configurable to meet the standard of USA, CCanada, Japan and China
	Modulation	DSSS , CCK and OFDM
	Coding	BPSK, QPSK, 16QAM and 64QAM
	RF receive sensitivity	802.11b: -82dBm @ 1 Mbps; -80dBm @ 2 Mbps; -78dBm @ 5.5 Mbps; -76dBm @ 11 Mbps 802.11g: -82dBm @ 6 Mbps; -81dBm @ 9 Mbps; -79dBm @ 12 Mbps; -77dBm @ 18 Mbps; -74dBm @ 24 Mbps; -70dBm @ 36 Mbps; -66dBm @ 48 Mbps; -65dBm @ 54 Mbps 802.11n: -65dBm @ 65 MbpsHT40; -61dBm @ 135 MbpsHT40;
	RF output lever	802.11b: 16.5 ±1dBm 802.11g: 13 ± 1dBm @ 54 Mbps; 14 ± 1dBm @ 48 Mbps; 15 ± 1dBm @ 6 ~ 36 Mbps 802.11n: 13 ± 1dBm @ 54 Mbps; 14 ± 1dBm @ 48 Mbps; 15 ± 1dBm @ 6 ~ 36 Mbps
	Encryption Mode	802.11i security: WEP-64/128, TKIP (WPA-PSK) and AES (WPA2-PSK)