

CD5204-BxxN-M410 EOC Slave with 4FE



Overview

CD5204-Bxx-M410 series 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.

CD5204-Bxx-M410 series 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 87Mhz~1Ghz can run on one cable without interference. The PHY Layer speed is 600Mbps,the MAC Layer throughput is up to 320Mbps.

Features

- Low-frequency modulation EOC terminal, HomePlug AV solution, using MSE510CE and MTK7628NN chips
- 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 get configurations from EOC Master when Newly connected with powered on
- Support WEB,CLI and SNMP management
- Support on-line upgrading

EOC Specification

Item	Parameters	CD5204-Bxx-M410
Interface & indicator	RF interface	1*TV(RF signal) OUTPUT, metric/inch F connector 1*CABLE(MIX)INPUT, metric/inch F connector
	Ethernet interface	4*10/100M auto-negotiation, RJ45
	Power interface	1*DC12V power supply interface
	LED indicators	1*power indicator 1*system indicator 1C*ABLE indicator LAN indicator(each Ethernet port has 1 indicator)
Performance parameters	RF parameters	Frequency:7.5-65MHz Output level:110±5dBuv
		Receive sensibility:-65dB Return loss:>16dB 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:12VDC 0.5A Power consumption: <5W
	Dimension	160mm(L) x139.5mm(W) x 28.5mm (H)
	Weight	0.3kg
	Environment Attribute	Work temperature: 0~55°C Stock temperature: -30~60°C Work humidity: 10%~90%, non-condensation Stock humidity: 5%~95%, non-condensation

Ordering Information

Product Name	Product Model	Descriptions
CD5204-Bxx-M410	CD5204-B42-M410	1* mixed input port, 4*FE ports, 1*TV output port, 42/54 type high/low filter, external power supply adapter, plastic casing
	CD5204-B65-M410	1* mixed input port, 4*FE ports, 1*TV output port, 65/87 type high/low filter, external power supply adapter, plastic casing
	CD5204-B35-M410	1* mixed input port, 4*FE ports, 1*TV output port, 35/47 type high/low filter, external power supply adapter, plastic casing