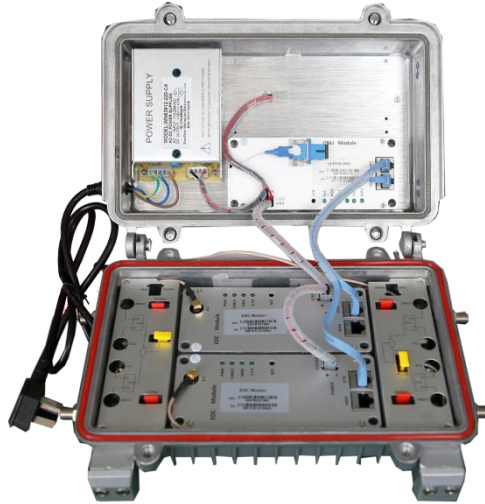


EOC Master (ONU+2EOC) CD7624-G



Product Overview

CD7624-G is the integrate EOC Master with two EOC module and one ONU module.

CD7624-G EOC Master can provide high speed data service based on coaxial cable network. CD7624-G includes one ONU. It provide one SC/PC optical GPON uplink port and one 10/100/1000M auto-negotiable Ethernet RJ45 ports. By using the GPON technology, the ONU Module can provide a high-speed data channel through a single optical fiber with a rate of downstream 2.5 Gbps and upstream 1.25 Gbps. In addition, it offers the QOS, flexible bandwidth allocated to provide quality high-speed data service and video service.

The EOC Master Module is based the Qualcomm AR7410 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 EOC Master can provide high speed data service. The PHY Layer speed is 600Mbps, the MAC Layer throughput is up to 320Mbps. The ONU module connects with the EOC module, Ethernet data signals will be modulated into RF signals to transmit in the coaxial cable. CD7624-G integrating EOC and ONU can reduce the number of active node, decreasing failure rate and saving a space. It is the best choice of EPON+EOC solution for the operator.

Function Features

- High integration with two EOC Master modules and one ONU module
- Aluminum alloy die casting shaping, good heat dissipation
- Outdoor waterproof designed, 60V/220V power supply optional
- 7.5-65Mhz frequency for EOC signals., no influence on CATV Service
- Support data encryption
- Support broadcast storm limitation
- Support data packet statistics
- Support auto-configuration
- Support Dynamic Bandwidth Allocation (DBA)
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Support Port-based VLAN and IEEE802.1Q VLAN
- Support performance statistics based on ports
- Support ACL achieve the purposes of access control
- Support various LLID configuration and single LLID configuration. Different user and different service could provide different QOS by means of different LLID channels
- EMS network management based on SNMP

Specification

Item	Parameters	Specification
Specification of EOC Module		
Interface and LED Indicator	RF Port	1*EOC low-frequency signal output port, support F-Female or SMB connector
	Ethernet Port	2*2 10/100/1000M auto-negotiation, RJ45
	LED Indicator	2*1 for Power Supply Status 2*1 CABLE Link Status indicator 2*2 for Ethernet Ports Status
Performance Parameters	RF Parameters	Frequency Band :7.5-65MHz RF Output Level:110±5dBuV Receive sensitivity:45dBuV Return Loss:>16dB Output Resistance: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

Specification of GPON ONU Module

Interface	PON Interface	1*GPON port, FSAN G.984.2 standard, Class B+ Downstream Data Rate: 2.488Gbps Upstream Data Rate: 1.244Gbps SC/PC single mode fiber 28dB Link loss and 20KM distance with 1:128
	Ethernet Interface	1*GE Auto-negotiation RJ45 ports Full Duplex / Half-Duplex RJ45, Auto-MDI/MDI-X Transmission Distance 100 Meter
Management	Power Supply Port	2Pin Power Connector
	Network Management	Standard compliant OMCI interface as defined by ITU-T G.984.4 Support WEB management
	Management Function	Status monitor, Configuration management, Alarm management, Log management
Environmental Specifications	Shell	aluminum casing
	Power	2Pin Power Connector Power consumption: <3W
	Dimensions / Weight	150(L)×65(W)×25mm(H) <0.07kg
	Environment	Working Temperature: –10~65℃ Storage Temperature: -40~85℃ Working humidity: 10%~90%non-condensing Storage humidity: 10%~90% non-condensing

Physical Features

Physical Features	Power supply & Consumption	Power Supply: 220V/60V optional Consumption: <17W
	Size & Net weight	Dimension: 290×220×120mm Weight: 3.5kg

	Environment Attribute	Working Temperature: -10~65℃ Storage Temperature: -40~85℃ Working humidity: 10%~85%non-condensing Storage humidity: 10%~90% non-condensing
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Typical Application

- ◇ CATV
- ◇ Internet Access
- ◇ VOD
- ◇ IPTV
- ◇ Camera monitor system

Order Information

Product	Item	Description
EOC Master (EOC+ONU)	CD7624-G	Built-in one ONU Module and two 74 series chipset EOC Module; One GPON uplink port, four TV RF input port, four TV+data mix output port. Outdoor waterproof designed. 220VAC or 60VAC power supply.