PCBT400 EoC series slave
User manual

1. Brief:

PCBT400 series slave(based at AR7411 chip) is the multi-media access device which is based on HomePlug AV(IEEE P1901) technique, used with GDCBM700 series master, realize 2 layer Ethernet transmission network through the CATV coaxial network.

PCBT400 supply 1-4 100Mbit full duplex Ethernet interfaces, used to connect computer, digital STB, IP telephone, etc. Support QoS setting, supply priority transmission protection for all kinds of data stream. Support bandwidth controlled, each slave's max up-line bandwidth could be set, support encipher transmit, meet the demand of high-reliability business.

2. Feature:

- Provide 1-4 10/100Mbit self-adaption Ethernet interface, connect to computer, STB, IP phone etc.
- Provide 2 RF interface, respectively connect to up and down line cable
- Work under the bandwidth of 65MHz, no influence to existing CATV signal
- Plug and play, setup program is not request
- Support VLAN(802.1Q) and QoS(802.1p),IGMP etc. layer 2 protocol
- Support SNMP which MIB library based at national standard

3. Technique Specification:

Item	Description
Interface	1-4 10/100M self-adaption ethernet interface(Aoto MDI/MDIX) 2 RF interface, 1-way CATV/DATA mixture input,1-way CATV output 1 outset power interface
LED indicator	1 LAN 1 Cable 1 Power 1 Diagnosis
RF	Frequency : 7.5 ～ 65MHz, output power(max) : 15dBm Receiving sensitivity : -65dB Connecter type : F type Output impedance : 75Ω
Standard	IEEE 802.3, IEEE 802.3x,IEEE 802.3u Auto MDI (X) , IEEE 802.1P,IEEE 802.1Q
Working mode	TDMA/CSMA
Software	Support VLAN,QoS
Physical rate	500Mbps
Modulation method	OFDM 1024/256/64/16 QAM,QPSK, BPSK
Transmission distance	>1000M
Encryption mode	128-bit AES encryption
Power supply	Outset 12V DC，500mA
Dimension	155mm×108mm×27mm
Weight	0.6KG
Operation Temperature	-5～55℃
Storage Temperature	-10～70℃
Operation humidity	20% - 95%（non-condensing）
Storage humidity	10% - 90%（non-condensing）
Power consumption	<7W