

# ANS5003WV



## Product Overview

ANS5003WV coaxial cable terminal is an EOC Slave based on Atheros 7411 solution. It's has 3 10/100M full duplex Ethernet ports and one RJ11 port which can simultaneously connect computer, Set Top Box(STB),IP telephone or other terminals. When working with Richerlink EoC master series, it can reach the maximum physical rate of 700Mbps and build Layer-2 Ethernet transmit network through coaxial cable and meanwhile have no influence on the pre-existing CATV signal transmission.

ANS5003WV occupies low frequency band under 65MHz and has no collision with the current CATV system frequency which can decrease mutual interference.

ANS5003WV has two SSID. One is for cable operator network maintenance and the other is for end users to wireless access internet. It's based on 802.11n standard, compatible with 802.11b/g, providing up to 150M wireless transmission for home network coverage.

ANS5003WV has one RJ11 port and supports VOIP function, compatible major existing SIP serves.

ANS5003WV support bandwidth control and encrypted transmission to satisfy high reliable service.

The maximum uplink bandwidth can be configured individually in order to prevent the attack to the whole coaxial transmission network

ANS5003WV has two accounts with different authority: Administrator Account and User Account

## Product Features

- Compatible with IEEE HomePlug AV, 802.11 b/g/n, IEEE 802.11b, IEEE802.3, IEEE802.3u
- EoC coaxial cable WAN access, providing TV, PHONE, WiFi, 10/100M Ethernet port
- Support CSMA/CA, CSMA/CD, TCP/IP, PPPoE, DHCP, ICMP, NAT protocol
- Provide 1 WAN port, 3 10/100M LAN ports, supporting Auto MDIX
- Provide two working mode: Bridging and Routing
- Support Quality of Service ( QoS ) -802.11e
- Support remote and WEB management, full English UI
- Support two SSID function
- Support NAT/NAPT IP sharing, PPPoE/Static IP/PPTP/DHCP
- Provide up to 150Mbps wireless transmission
- Support virtual server, DMZ host
- Support 128bit WEP/WPA-PSK/ WPA2-PSK encryption
- Provide one RJ11 port, supporting VOIP function and compatible with major SIP servers
- Support UPnP, DDNS ;
- Support IP filter, port filter and MAC address filter
- Built-in DHCP server and firewall, can prevent DoS attack
- Provide system security log and flow statistics function
- Provide Web Management Reset, supporting online software updating
- Support 3DBi HG omni antenna

## Product Specification

ITEM		ANS5003WV
Port	WAN	One F connector port
	LAN	Three self-adaptive 10/100M RJ45 port
	TV	One F connector port
	VOIP	One RJ11 port
Standard		IEEE HomePlug A/, IEEE 802.11b/g/n, IEEE 802.3, IEEE 802.3u, CSMA/CA, CSMA/CD, TCP/IP, DHCP, ICMP, NAT, PPPoE
WiFi	Frequency	2.4~2.4835GHz
	Transmission speed	Up to 150Mbps
	Channel number	13
	Data Modulation	DBPSK、 DQPSK、 CCK and OFDM(BPSK/QPSK/16-QAM/64-QAM)
	Transmit Distance	Up to 120m indoor or 360m outdoor
	Antenna	5dBi detachable HG omni antenna
EoC	Frequency	7.5-65MHz
	Output Power	110dBuV
	Modulation	OFDM
	Physical Layer Bandwith	700Mbps
	IP Layer Throughput	200Mbps
	RF Impedance	75ohm
CATV RF	Frequency	87-1000MHz
	Return Loss	>16dB
	Insert Loss	1dB
VOIP		Support SIP V2.0 ( RFC 3261/RFC3262, H.248 protocol Support G.711 (A-Law, $\mu$ -Law), G.723.1 and G.729A/AB coding Support Voice Activity Detection(VAD), Comfortable Noise Generation (CNG) and Echo Cancelation and advanced jitter buffer control Support Fax pass-through & T.38 FoIP Fax
LED Indicator	WAN	Lighting: link / Blink: data transmission
	LAN	Lighting: link / Blink: data transmission
	Others	POWER(on/off) / EoC(initialization status)/ Wireless(on/off)
SIZE(L×W×H)		180(mm)*110(mm)*31(mm)
Working Enviroment		Work Temperature: 0°C ~ 45°C Work Humidity :10% ~ 90%(no-condensing) Storage temperature : -40°C ~ 70°C Storage Humidity:5% ~ 90%(no-condensing)
Power Supply		DC 12V/1A