

CAP 2465 Manual



Product Overview

ANS5004W Pro is an EOC Slave based on MT7620A solution. It's has 4 10/100M full duplex Ethernet ports which can simultaneously connect computer, Set Top Box(STB) 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 television coaxial cable and meanwhile have no influence on the pre-existing CATV signal transmission. ANS5004W Pro occupies low frequency band under 65MHz and has no collision with the current CATV system frequency which can decrease mutual interference. ANS5004W Pro support 4 SSID which can for cable operator use or end users use. It's based on 802.11n standard, compatible with 802.11b/g, providing up to 300M wireless transmission for home network coverage. ANS5004W Pro 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. ANS5004W Pro has two accounts with different authority: Administrator Account and User Account

Product Features

- Compatible with IEEE HomePlug AV, 802.11 b/g/n, IEEE802.3, IEEE802.3u

- EoC coaxial cable WAN access, providing TV, WiFi, 10/100M

Ethernet port

- Support CSMA/CA, CSMA/CD, TCP/IP, PPPoE, DHCP, ICMP, NAT protocol
- Provide 1 WAN port, 4 10/100M LAN ports, supporting Auto MDIMDIX
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- Provide two working mode: Bridging and Routing
- Support Quality of Service (QoS) -802.11e
- Support remote and WEB management, full English UI
- Support 4 SSID
- Support NAT/NAPT IP sharing, PPPoE/Static IP/PPTP/DHCP
- Provide up to 300Mbps wireless transmission
- Support virtual server, DMZ host
- Support 128bit WEP/WPA-PSK/ WPA2-PSK encryption
- 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

ITEM		ANS5004W Pro
Port	WAN	1 F connector
	LAN	4 10/100M RJ45 port
	TV	1 F connector
Standard		IEEE HomePlug AV, IEEE 802.11b/g/n, IEEE 802.3, IEEE 802.3u, CSMA/CA, CSMA/CD, TCP/IP, DHCP, ICMP, NAT, PPPoE
WiFi	Frequency	2.412~2.462GHz
	Transmission speed	Up to 300Mbps
	Channel number	11
	Data Modulation	DBPSK、DQPSK、CCK and OFDM(BPSK/QPSK/16-QAM/64-QAM)
	Transmit Distance	Up to 120m indoor or 360m outdoor
	Antenna	1.5dBi detachable HG omni antenna
EoC	Frequency	7.5-65MHz
	Output Power	≥108dBuV
	Modulation	OFDM
	Physical Layer Bandwidth	700Mbps
	IP Layer Throughput	200Mbps
	RF Impedance	75ohm
CATV RF	Frequency	87-1000MHz
	Return Loss	>16dB
	Insert Loss	≤1dB
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 Environment		Work Temperature: 0°C ~ 45°C Work Humidity : 10% ~ 90% (no-condensation) Storage Humidity: 5% ~ 90% (no-condensation)
Power Supply		DC 12V/1000MA

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. .

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.