



MSS5004WAC EOC Slave SPEC



Product Overview

MSS5004WAC is an EOC Slave based on MStar MSE510CE 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 1000Mbps and build Layer-2 Ethernet transmit network through television coaxial cable and meanwhile have no influence on the pre-existing CATV signal transmission.

MSS5004WAC occupies low frequency band under 65MHz and has no collision with the current CATV system frequency which can decrease mutual interference. MSS5004WAC support 4 SSID which can for cable



operator use or end users use. It's based on 802.11n standard, compatible with 802.11 b/g/n/ac, providing up to 1200M wireless transmission for home network coverage. MSS5004WAC 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.

MSS5004WAC has two accounts with different authority: Administrator Account and User Account.

Product Features

- Compatible with IEEE HomePlug AV, 802.11 b/g/n/ac, 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
- 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 1200Mbps 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 firmwall, can prevent DoS attack
- Provide system security log and flow statistics function
- Provide Web Management Reset, supporting online software updating
- Support 5dBi HG omni antenna

Product Specification

ITEM		MSS5004WAC
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	2.4~2.4835GHz 5G:low frequency 5.15GHz~5.25GHz,middle frequency 5.25GHz~5.35GHz,High frequency 5.725GHz~5.825GHz
	Transmission speed	2.4G up to 300Mbps 5G up to 867Mbps
	Channel number	13(Different countries or regions have differences)
	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	$\geq 108\text{dBuV}$
	Modulation	OFDM
	Physical Layer Bandwidth	1000Mbps
	IP Layer Throughput	300Mbps
	RF Impedance	75Ω
CATV RF	Frequency	87-1000MHz
	Return Loss	$>16\text{dB}$
	Insert Loss	$\leq 1\text{dB}$
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)	176(mm)*113(mm)*31(mm)	
Working Environment	Work Temperature: $0^\circ\text{C} \sim 45^\circ\text{C}$	
	Work Humidity : $10\% \sim 90\%$ (no-condesning)	
	Storage Humidity: $5\% \sim 90\%$ (no-condesning)	
Power Supply	DC 12V/1000mA	