



**AP699GEC2. FW97-5**

# **Product External Specifications**

**T&W**  
ELECTRONICS



## 1200Mbps 802.11ac dual-band wireless router

### Introduction

The AP699GEC2.FW97-5 is a Built-in wireless routing module. It provides high access to the Internet and upstream up to 1166 Mbps, the Board can be powered through this interface to it. With all the features of the wireless router, security mechanisms, support for IEEE 802.11ac, 802.11a, 802.11b, 802.11g, 802.11n standards brings users remarkable wireless Internet experience. In addition, the compact appearance of the product is able to give people a kind of intimacy

### Features

- IEEE 802.11a/ac/b/g/n up to 1166Mbps Wi-Fi compliant
- 5 Ports IEEE 802.3 10/100/1000Mbps Ethernet compliant
- USB 2.0/3.0 Disk support
- Fully Backward compatible with 802.11b/g devices
- Supports AP operation modes
- Supports IEEE802.e Quality of Service (QoS)
- Supports high-efficient wireless connections
- Supports 64/128-bit WEP encryption, WPA and the latest WPA2 encryption security authentication
- Supports auto wireless channel selection
- Supports auto negotiation/manual mode for 802.11 a/ac/b/g/n
- Built-in DHCP server to automatic assign IP address



Parameter	Specification
<b>System Specification</b>	
Chipset	BCM47081+BCM4352+BCM43217T
Flash	SPI 16MB
DDR2	128MB
<b>Wireless Features</b>	
Wireless Standard	802.11b/g/a/n/ac
Wireless Signal Rates	Up to 1166Mbps
Operating Mode	default on b/g/n , ac/a/n mixed mode
Wireless Communication	Enabled
SSID Name	2.4G:AP_11AC-2.4G-001, 5G:AP_11AC-5.8G-001
Security	Disabled
SSID broadcast control	Enabled
Transmission Speed	Auto
Automatic Quality of Service (QoS) for reliable Internet, voice and gaming applications	Support
Wi-Fi Protected Setup	Default Enabled
Cafe-style guest network	Support
Wireless Security	64/128-bit WEP,WPA/ WPA2,WPA-PSK/ WPA2-PSK encryption
Antennas	2.4G (2X2) : Air Gain Antenna: 1.8dBi 5.8G(2X2): Air Gain Antenna: 3.8dBi
Transmit Power	2.4 G: 11b mode: 17 ± 1.5 dBm 11g mode: 14 ± 1.5 dBm 11n(20M) mode: 14 ± 1.5 dBm 11n(40M) mode: 14 ± 1.5 dBm  5.8G: 11g mode: 14 ± 1.5 dBm 11n(20M) mode: 14 ± 1.5 dBm 11n(40M) mode: 14 ± 1.5 dBm




Parameter	Specification
	11AC: 20M mode: $13 \pm 1.5$ dBm 40M mode: $13 \pm 1.5$ dBm 80M mode: $13 \pm 1.5$ dBm
RX sensitivity	2.4G: 11b mode: -79dBm 11g mode: -70dBm 11n(20M) mode: -67dBm 11n(40M) mode: -64dBm
	5.8G: 11g mode: -70dBm 11n(20M) mode: -67dBm 11n(40M) mode: -64dBm
	11AC: 20M mode: -57dBm 40M mode: -54dBm 80M mode: -51dBm

### Network Features

PPPoE, DHCP and Static IP connectivity	Default WAN connectivity on DHCP
MAC cloning support	Support
Network Address Translation (NAT)	Support
Multi Range Port Forwarding	Support
DHCP Server	Support
QoS Traffic Control(IP)	Support
IGMP Snoop	Support
IGMP Proxy v1 v2 v3	Support
DNS Relay	Support
PnP, DDNS	Support
Virtual Server, Special Application and DMZ host ideal for creating a website within your LAN	Support

### Security Features

NAT for basic Firewall support	Support
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Parameter	Specification
Packet Filtering Firewall	Support
Stateful Packet Inspection Support	Support
Password Authentication to Router	Support

### System Features

Language Support	English/Chinese
Default Language	English/Chinese
Login URL	Http:// 192.168.1.1
Login Name	admin
Login Password	admin
Router Lan IP	192.168.1.1
IP Subnet MSK	255.255.255.0
Config download and load	Support
Status	Support
Remote and Web management	Support
Self Healing	Support
Auto Time Sync	Support
Echo mode ( wireless switch schedule)	Support

### Physical Interfaces

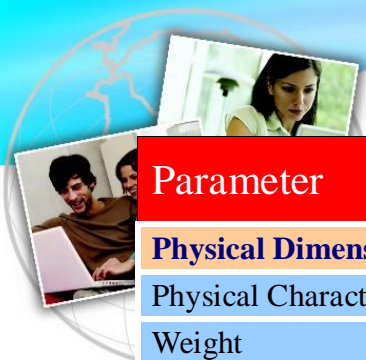
Interface	RJ45*5+USB3.0*1+ Reset button*1+ Power Switch*1+ Wps Switch*1+ Power jack*1
Button	Reset button*1+ Power Switch*1+ Wps Switch*1
LEDs	Power ,2.4G wifi, 5G wifi, WAN,USB
Power jack	12V DC,2A

### Environment Requirement

Operating Temperature	0 ℃~45 ℃
Storage Temperature	-40 ℃~70 ℃
Operating Humidity	10% ~90%, non-condensing
Storage Humidity	5% ~90%, non-condensing
Power Supply	Input power: 100-240VAC, 50/60Hz Output power: 12VDC/2A

### EMC and Safety

Regulatory Compliance	CE/3C
Safety Regulations	
Green Standard	



Parameter	Specification
<b>Physical Dimension</b>	
Physical Characteristics	192x115x90mm
Weight	308g

## Product ID

