

# Manual For WEG720B

Wi-Fi module(2.4 GHz, 5GHz, a/b/g/n, AC)

- Model name : WEG720B
- Operation Temperature : 0°C ~ +70°C
- Power : +5V  $\pm$ 5% (+4.75V ~ +5.25V)

## 1. Introduction

WEG720B is a USB embedded module compliant with IEEE802.11ac standard.

The core chipset is from Broadcom, part number is BCM43526KMLG.

And WEG720B automatically discontinues transmission in case of either absence of information to transmit or operational failure.

## Technical Information for FCC

Freq. (MHz)	CH	Support IEEE802.11 and BW	Active Scan	Passive Scan	Client Only	DFS	Mobile Hop spot	Wi-Fi Direct	Peer to Peer	Ad-hoc	Radar Detection
2412	1	802.11b/g/n(HT20) & BW = 20MHz	YES	NO	YES	NO	NO	YES	YES	YES	NO
2417	2										
2422	3										
2427	4										
2432	5										
2437	6										
2442	7										
2447	8										
2452	9										
2457	10										
2462	11										
2422	3	802.11n(HT40) & BW = 40MHz	YES	NO	YES	NO	NO	YES	YES	YES	NO
2427	4										
2432	5										
2437	6										
2442	7										
2447	8										
2452	9										

Freq. (MHz)	CH	Support IEEE802.11 and BW	Active Scan	Passive Scan	Client Only	DFS	Mobile Hop spot	Wi-Fi Direct	Peer to Peer	Ad-hoc	Radar Detection
5745	149	802.11a/n(HT20) /ac(VHT20) & BW = 20MHz	YES	NO	YES	NO	NO	YES	YES	YES	NO
5765	153										
5785	157										
5805	161										
5825	165										
5755	151	802.11n(HT40) /ac(VHT40) & BW = 40MHz	YES	NO	YES	NO	NO	YES	YES	YES	NO
5795	159										
5775	155	802.11/ac(VHT80) & BW = 80MHz	YES	NO	YES	NO	NO	YES	YES	YES	NO

Freq. (MHz)	CH	Support IEEE802.11 and BW	Active Scan	Passive Scan	Client Only	DFS	Mobile Hop spot	Wi-Fi Direct	Peer to Peer	Ad-hoc	Radar Detection
5180	36	802.11a/n(HT20) /ac(VHT20) & BW=20MHz	YES	NO	YES	NO	NO	NO	NO	NO	NO
5200	40										
5220	44										
5240	48										
5260	52		NO	YES	YES	YES	NO	NO	NO	NO	NO
5280	56										
5300	60										
5320	64										
5500	100		NO	YES	YES	YES	NO	NO	NO	NO	NO
5520	104										
5540	108										
5560	112										
5580	116		N/A This device does not support these channel.								
5600	120										
5620	124										
5640	128										
5660	132	NO	YES	YES	YES	NO	NO	NO	NO	NO	
5680	136										
5700	140										
5190	38	802.11a/n(HT40) /ac(VHT40) & BW=40MHz	YES	NO	YES	NO	NO	NO	NO	NO	NO
5230	46										
5270	54										
5310	62		NO	YES	YES	YES	NO	NO	NO	NO	NO
5510	102										
5550	110										
5590	118		N/A This device does not support these channel.								
5630	126										
5670	134										
5210	42	802.11ac(VHT80) & BW=80MHz	YES	NO	YES	NO	NO	NO	NO	NO	NO
5290	58		NO	YES	YES	YES	NO	NO	NO	NO	NO
5530	106		NO	YES	YES	YES	NO	NO	NO	NO	NO

# Approval Statement

## CE Statement

Hereby, we declare that this device is in compliance with the essential requirements and other relevant provisions of directive 1999/5/EC.

## FCC Statement

To satisfy FCC exterior labeling requirements, the following text must be placed on the exterior of the end product.

### Contains Transmitter module FCC ID: A3LWEG720B

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's 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 undesirable operation.

## IC Information

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

*Cet appareil est conforme avec Industrie Canada exempts de licence standard RSS (s). L'opération est soumise aux deux conditions suivantes:*

- (1) cet appareil ne peut causer d'interférences, et*
- (2) cet appareil doit accepter toute interférence, y compris les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.*

The end product must be labeled to display the Industry Canada certification number of the module.

### Contains transmitter module IC: 649E-WEG720B

*Le dispositif d'accueil doivent être étiquetés pour afficher le numéro de certification d'Industrie Canada du module.*

### *Contient module émetteur IC : 649E-WEG720B*

# User Information

This device complies with FCC & IC radiation exposure limits set forth for an uncontrolled environment. This device should be installed and must not be co-located or operating in conjunction with any other antenna or transmitter.

This device is intended only for OEM integrators under the following conditions:

- 1) The antenna must be installed such that 20cm is maintained between the antenna and users.
- 2) This module may not be co-located with any other transmitters or antennas.

As long as 2 conditions above are met, further transmitter test will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements with this module installed. In the event that these conditions cannot be met, then the FCC & IC authorizations are no longer considered valid and the FCC ID cannot be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product including this module and obtaining separate FCC & IC authorizations.

*Cet appareil est conforme aux limites d'exposition rayonnement de la FCC et IC définies pour un environnement non contrôlé . Cet appareil doit être installé et ne doit pas être co- localisées ou opérant en conjonction avec une autre antenne ou émetteur .*

*Cet appareil est conçu uniquement pour les intégrateurs OEM dans les conditions suivantes :*

- 1 ) L' antenne doit être installée de telle sorte que 20 cm est maintenue entre l'antenne et les utilisateurs .*
- 2 ) Ce module ne peut pas être co-localisé avec d'autres émetteurs ou des antennes .*

*Tant que deux conditions ci-dessus sont remplies , nouvel essai de l'émetteur ne sera pas tenu . Cependant , l'intégrateur OEM est toujours responsable de tester leur produit final pour les exigences de conformité supplémentaires avec ce module installé . Dans le cas où ces conditions ne peuvent être remplies, les autorisations de la FCC et IC ne sont plus considérés comme valides et l'ID FCC ne peuvent pas être utilisés sur le produit final . Dans ces circonstances , l'intégrateur OEM sera chargé de réévaluer le produit final incluant ce module et l'obtention des autorisations de la FCC et IC distincts .*

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

*Toute changé ou modifications non expressément approuvés par la partie responsable de la conformité pourraient annuler l'utilisateur `autorité de faire fonctionner cet équipement.*

This device is restricted to indoor use only within the 5.15 ~ 5.25GHz Band.

*Cet appareil est restreint à l'utilisation à l'intérieur seulement dans la bande 5.15 ~ 5.25GHz.*