

PW00U is a WLAN 11AC and Bluetooth combo dongle, provides a single USB interface to host, which fully supports the features and functional compliance of IEEE 802.11ac/a/b/g/n standards, It supports up to 433Mbps for IEEE 802.11ac, CL-8821CU-V2 Bluetooth controller complies with Bluetooth core specification V4.2, and supports dual mode(BR/EDR+AMP+low Energy Controllers). It is backward compatible with previous versions including V2.1+EDR and v3.0+HS.Both BR/EDR and LE can operate simultaneously.

FEATURES

- 1T1R 802.11n 2.4GHz WiFi speed up to max 150Mbps data rate.
- 1T1R 802.11ac 5GHz WiFi speed up to max 433Mbps data rate
- Complies with USB Specification 2.0
- Compatible with IEEE 802.11b/g/n/a/ac Specifications.
- Supports WPA, WPA2.



SPECIFICATIONS

| Model Name | PW00U |
|-----------------------|--|
| Product Name | AVer Dual Band Wireless Dongle |
| Standard | IEEE 802.11ac / a / b / g / n / d / e / h / i Bluetooth v2.1+EDR/ v3.0/ v3.0+HS/ v4.2 |
| Data Transfer Rate | WiFi:11ac mode up to 433Mbps 11n mode up to 150Mbps BT:Basic rate: 1Mbps and Enhanced data rate: 2, 3 Mbps |
| Modulation Method | CCK,DQPSK,DBPSK,BPSK,QPSK,16QAM,64QAM,256 QAM Bluetooth: 8DPSK, π/4 DQPSK, GFSK |
| Frequency Band | 2.4GHz and 5GHz ISM Band |
| Receiver Sensitivity | -80dBm – 802.11b@11Mbps -71dBm – 802.11g@54Mbps -67dBm – 802.11n@MCS7_BW20 -64dBm – 802.11n@MCS7_BW40 -57dBm – 802.11ac@NSS1_MCS9_BW20 -54dBm – 802.11ac@NSS1_MCS9_BW40 -51dBm – 802.11ac@NSS1_MCS9_BW80 Bluetooth: -89dBm@1Mbps -90dBm@2Mbps -83dBm@3Mbps |
| LED | POWER |
| Security | WPA, WPA2 |
| Power supply | USB / DC 5V |
| Operating Temperature | 0 ~ 50° C ambient temperature |
| Storage Temperature | -10 ~ 70°C ambient temperature |
| Humidity | 5 to 90 % maximum (non-condensing) |
| Dimension | 22.3 x 15 x 8 mm (L x W x H) |

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Our products only suitable for Document Camera application it improper be installed in other products and it's not usual consumers can replace Document Camera by themselves.

Specifications are subject to change without notice

Warning

15.19 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.

15.105

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.

15.21

- Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.
- This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

RSS-Gen Issue 4 8.4

This device complies with Industry Canada's licence-exempt RSSs. 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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement

RSS247 2.3 External RF Power Amplifiers (ERFPA)

Under Industry Canada regulations, this external radio frequency power amplifier (insert Industry Canada certification number of radio frequency power amplifier) may only be used with the transmitter with which the amplifier has been certified by Industry Canada. The certification number for the transmitter with which this amplifier is permitted to operate is IC:XX...X-YY...Y.

En vertu des règlements d'Industrie Canada, cet amplificateur de puissance de fréquence radio externe (insérer Industrie Canada numéro de certification de l'amplificateur de puissance de fréquence radio) ne peut être utilisé avec l'émetteur avec lequel l'amplificateur a été certifié par Industrie Canada. Le numéro de certification pour l'émetteur avec lequel cet amplificateur est autorisée à opérer est IC: XX ... X-YY ... Y.

RSS-247 6.4(5) WLAN 11a

- (i) the device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems; (For devices installed in vehicles point i. is not required.)
- (ii) for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit;
- (iii) for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate; and
- (iv) where applicable, antenna type(s), antenna models(s), and worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in section 6.2.2.3 shall be clearly indicated.

Users should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices. (DFS 要求)

- (i) l'appareil pour fonctionner dans la bande 5150-5250 MHz est réservé à une utilisation en intérieur afin de réduire les risques d'interférences nuisibles à la co-canal systèmes mobiles par satellite;*
- (ii) pour les appareils avec antenne (s) détachable, le gain d'antenne maximal autorisé pour les appareils dans les bandes 5250-5350 MHz et 5470-5725 MHz doit être telle que l'équipement satisfait encore la pire limite;*
- (iii) pour les appareils avec antenne (s) détachable, le gain d'antenne maximal autorisé pour les appareils dans la bande 5725-5850 MHz doit être telle que l'équipement satisfait encore la pire limites spécifiées pour le point-à-point et non point-à-point, le cas échéant; opération et*
- (iv) l'angle d'inclinaison du pire (s) nécessaire pour rester conforme à la pire exigence de masque d'élévation énoncées dans la section 6.2.2 (3) doit être clairement indiqué.*

Devraient également être informés les utilisateurs que les radars à haute puissance sont désignés comme utilisateurs principaux (c.-à-d-utilisateurs prioritaires) des bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient provoquer des interférences et / ou endommager les appareils LE-LAN.

IC Radiation Exposure Statement:

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

低功率電波輻射性電機管理辦法：

• 第十二條

經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

• 第十四條

低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前項合法通信，指依電信法規定作業之無線電通信。

低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

4.7.9.1 應避免影響附近雷達系統之操作。