ARISTA C-360 Network Access Points User Manual

C-360 Network Access Points
User Manual

Federal Communication Commission Interference Compliance
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.

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 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
Indoor Models (C-230/C-230E, C-250. C-260, C-360, and others): The device is for indoor use only. Supported in 2412~2462, 5180~5240, 5260~5320, 5500~5720, 5745~5825MHz and operation in 2412-2462, 5180~5240, 5260~5320, 5500~5720, 5745~5825MHz bands are restricted to indoor usage only. This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules.
IMPORTANT NOTE:
FCC Radiation Exposure Compliance:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 29cm between the radiator & your body.

- FCC regulations restrict the operation of this device to indoor use only.
- The operation of this device is prohibited on oil platforms, cars, trains, boats, and aircraft, except that operation of this device is permitted in large aircraft while flying above 10,000 feet.
- Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.

Professional Installation Instruction for Outdoor Models

1. **Professional installer:** this product is designed for specific applications and needs to be installed by trained personnel. The general user shall not attempt to install or change the setting.
2. **External Antenna:** use only the antenna(s) that have been approved by the manufacturer. The non-approved antenna(s) may produce unwanted spurious or excessive RF transmitting power that may lead to the violation of the FCC limit and is prohibited.
3. **Warning:** Please carefully select the installation position and ensure that the final output power does not exceed the limit set forth in relevant rules.

Industry Canada Compliance
This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science, and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Caution:

1. 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;
2. Where applicable, antenna type(s), antenna models(s), and worst-case tilt angle(s) are 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.

IMPORTANT NOTE:
IC Radiation Exposure Compliance:
This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 32cm between the radiator & your body.

CAN ICES-3 (B)/NMB-3(B)
The Country Code Selection feature is disabled for products marketed in the US/Canada.
For products available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

Model	Antenna Type	Model Number	Support	Max Peak Gain
C-360	PIFA	5718A0624300	2.4G	2.4G 4.18
	PIFA	5718A0625300	2.4G	2.4G 4.12
	PIFA	5718A0626300	2.4G	2.4G 4.24
	PIFA	5718A0627300	2.4G	2.4G 4.15
	PIFA	5718A0649300	5G	5G : 6.12
	PIFA	5718A0650300	5G	5G 6.29
	PIFA	5718A0651300	5G	5G : 5.99
	PIFA	5718A0652300	5G	SG : 6.18
	PIFA	5718A0649300	5G+6E	5G 6.26
				6E: 6.29
	PIFA	5718A0650300	5G+6E	5G:5.98
				6E: 5.86
	PIFA	5718A0651300	SG+6E	SG 6.08
				6E: 6.21
	PIFA	5718A0652300	5G+6E	5G:5.82
				6E: 6.30
				2.4G: 4.22
	PIFA	5718A0631300	2.4G+SG+6E	5G: 6.23
				6E 5.81
				2.4G: 4.29
	PIFA	5718A0632300	2.4G+SG+6E	5G: 5.67
				6E 5.72
	Dipole	5718A0633300	BT	BT 5.63

EXTERNAL ANTENNA MODEL SPECIFIC REQUIREMENTS C-230E

This radio transmitter [IC: 8252A-C230] has been approved by Innovation, Science, and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited from use with this device.

Model	Antenna Type	Model Number	Antenna Gain (dBi)
C-230E	Dipole	98619PRSX020	2.4G Hz: 2.70 5GHz: 5.23
	Dipole	98619PRSX020	2.4G Hz: 2.70 5GHz: 5.23
	Dipole	98619PRSX020	2.4G Hz: 2.70 5 GHz: 5.23
	Dipole	98619PRSX020	2.4G Hz: 2.70 5GHz: 5.23
	Dipole	98619URSX002	5GHz: 5.32
	Dipole	98619URSX002	5GHz: 5.32

O-235E

This radio transmitter [IC: 8252A-C230] has been approved by Innovation, Science, and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated.
Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited from use with this device.

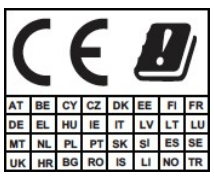
Model	Antenna Type	Model Number	Antenna Gain(dBi)
0-235E	Dipole	5718A0394300	2.4GHz: 5.5 5GHz: 7.2
	Dipole	5718A0394300	2.4 GHz: 5.5 5 GHz: 7.2
	Dipole	5718A0394300	2.4 GHz: 5.5 5 GHz: 7.2
	Dipole	5718A0394300	2.4 GHz: 5.5 5 GHz: 7.2
	Dipole	5718A0137300	S GHz: 6.3
	Dipole	5718A0137300	5 GHz: 6.3

O-105E

This radio transmitter [IC: 4491A-WP9333] has been approved by Innovation, Science, and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited from use with this device.

Antenna Type	Model Number	Antenna Gain(dBi)	Remark
Dipole	5718A0394300	5.5/7	For 2.4GHz/5GHz

CE Compliance



This equipment complies with EU radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 32cm between the radiator & your body.
The frequency and the maximum transmitted power (dBm) in the EU are listed below:

	2412-2472 MHz	**5150-5250 MHz 5G UNII-1**	**5250-5350 MHz 5G UNII-2**	**5470-5725 MHz 5G UNII-2C**	**5725-5875 MHz 5G UNII-3**
W-118	19.4	22.3	22.1	28.9	13.4
C-250	19.86	22.9	22.97	29.93	13.72
C-260	19.86	22,90	22.97	29.93	13.72
C-230	19.91	22.64	29.86	29.86	13.96
C-230E	19.74	22.69	22.62	29.77	13.36
O-235	19.78	–	–	29.71	13.82
O-235E	19.92	–	–	29.71	13.91

	2412-2472 MHz	**5180-5240 MHz**	**5260-5320 MHz**	**5500-5700 MHz**	**5745-5825 MHz**
C-200	19.96	22.98	22.94	29.95	13.95

Indoor products (C-230, C-230E, C-250, C-260, C-200, and others):
The device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range.

UKCA Compliance

The following table provides information on the UK operational frequency bands and the maximum RF transmit power of the products.

AP Platform	EU Max RF Tx EIRP (dBm)						
	2412-2472 MHz	5150 – 5250 MHz 5G UNIT-1	5250-5350 MHz 5G UNII-2	5470-5725 MHz 5G UNII-2C	5725-5875 MHz 5G UNII-3	VNS 2030 5725-5850 MHz	BT 2.4G
W-118	19.4	22.3	22.1	28.9	13.4	NA	4.6
C-250	19.95	22.99	22.99	29.99	13.72	22.98	9.93
C-260	19.95	22.99	22.99	29.99	13.72	22.98	9.93
C-230	19.98	22.99	29.86	29.97	13.96	22.99	8.96
C-230E	19.98	22.99	22.62	29.97	13.36	22.99	8.96
O-235	19.99	NA	NA	29.88	13.82	22.96	8.96
O-235E	19.99	NA	NA	29.88	13.91	22.96	8.96

Indoor models (C-250, C-260, C-230, C-230E, W-118):
The device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range.

RF Exposure Information:
The equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body

Hereby, Arista Networks, Inc. declares that the radio equipment type C-230, C-230E is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: **https://www.arista.com/en/support/product-documentation**

Hereby, Arista Networks, Inc. declares that the radio equipment type O-235, O-235E is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: **https://www.arista.com/en/support/product-documentation**

Hereby, Arista Networks, Inc. declares that the radio equipment type C-260 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: **https://www.arista.com/en/support/product-documentation**

Hereby, Arista Networks, Inc. declares that the radio equipment type W-118 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: **https://www.arista.com/en/support/product-documentation**

Hereby, Arista Networks, Inc. declares that the radio equipment type C-230, C-230E is in compliance with RER 2017 (SI 2017/1206). The full text of the UK declaration of conformity is available at the following internet address: **https://www.arista.com/en/support/product-documentation**

Hereby, Arista Networks, Inc. declares that the radio equipment type O-235, O-235E is in compliance with RER 2017 (SI 2017/1206). The full text of the UK declaration of conformity is available at the following internet address: **https://www.arista.com/en/support/product-documentation**

Hereby, Arista Networks, Inc. declares that the radio equipment type C-260 is in compliance with RER 2017 (SI 2017/1206). The full text of the UK declaration of conformity is available at the following internet address:

https://www.arista.com/en/support/product-documentation

Contents

Taiwan RoHS Compliance

Taiwan RoHS information is covered by this guide.
For Taiwan BSMI RoHS Table, go to https://www.arista.com/assets/data/pdf/AristaBSMIRoHS.pdf.

UL Electrical Hazard Compliance information

Ground Connection Required

Users shall not remove the ground pin of a power cord. This ground plug is a protective earthing used as a SAFEGUARD, as a means via a power cord to a socket-outlet with earthing connection.

Indoor Access Points

This equipment is to be connected to PoE networks or an external ac adaptor without routing to the outdoor location.

Outdoor Access Points

Only qualified personnel should perform installation procedures. Within the context of the safety notes in this documentation, qualified persons are defined as persons who are authorized to commission, protective grounding, and label devices, systems, and circuits in accordance with established safety practices and standards. A qualified person understands the requirements and risks involved with installing outdoor electrical equipment in accordance with national codes.

Documents / Resources

	ARISTA C-360 Network Access Points [pdf] User Manual C360, TOR-C360, TORC360, C-360, Network Access Points
	ARISTA C-360 Network Access Points [pdf] User Guide C-360, Network Access Points, Access Points, C-360, Network Access

References

- Anatel — Agência Nacional de Telecomunicações
- Data-Driven Cloud Networking - Arista
- Product Documentation Library - Arista
- Data-Driven Cloud Networking - Arista
- Support Overview - Arista
- Product Documentation Library - Arista