Specifications and Performance

AN-700-AP-O-AC

Outdoor Wireless Access Point

araknis NETWORKS

Specifications

Physical Characteristics	
Power Input	IEEE 802.3at Compliant Power Source
Power Consumption	18W Average, 23W Peak
Operating Temp	-20 - 55 C
Storage Temp	-30 - 80 C
Operating and Storage Humidity	10%-90%, relative, non-condensing
Unit Weight	2.38lbs
IP Rating	IP 55
Lock Options	Kensington Lock Hole
Certifications	UL/cUL, CE, FCC Class B, Wi-Fi
Interfaces	
Ports	2x 1000Base-T RJ45
PoE+ 802.3af/at Compliant	Yes, LAN Port 1 only
Manual Reset Button	Yes
Embedded Antennas	Yes
Wireless Performance	
Antenna Type	Directional
Wireless Standards	IEEE802.11a/b/g/n/ac
Operating Frequencies	2.4 GHz and 5 GHz
Supported Data Rates (Mbps)	- 802.11b: 1, 2, 5.5, 11 - 802.11a/g: 6, 9, 12, 18, 36, 48, 54 - 802.11n: 6.5 to 450 (MCS0 to MCS23) - 802.11ac: 6.5 to 1,300 (MCS0 to MCS9, NSS=1 to 3)
Radio Chains	3x3
Spatial Streams	3
PHY Data Rate	Up to 450Mbps @ 2.4GHz Up to 1300Mbps @ 5GHz
Channel Bonding	20MHz, 40MHz, 80MHz
Max TX Power	22dBm @ 2.4GHz 22dBm @ 5GHz
Wireless Features	
Auto Channel Selection	Yes
Operation Modes	Access Point, Repeater
Number of SSIDs per Radio Interface	Yes -up to 8
Wireless Security	WEP, WPA/WPA2 Personal, WPA/WPA2 Enterprise
MAC Address Filtering	Yes
Hide SSID	Yes
Guest Network	Yes
Fast Roaming	Yes - IEEE 802.11r/k

Specifications, Continued

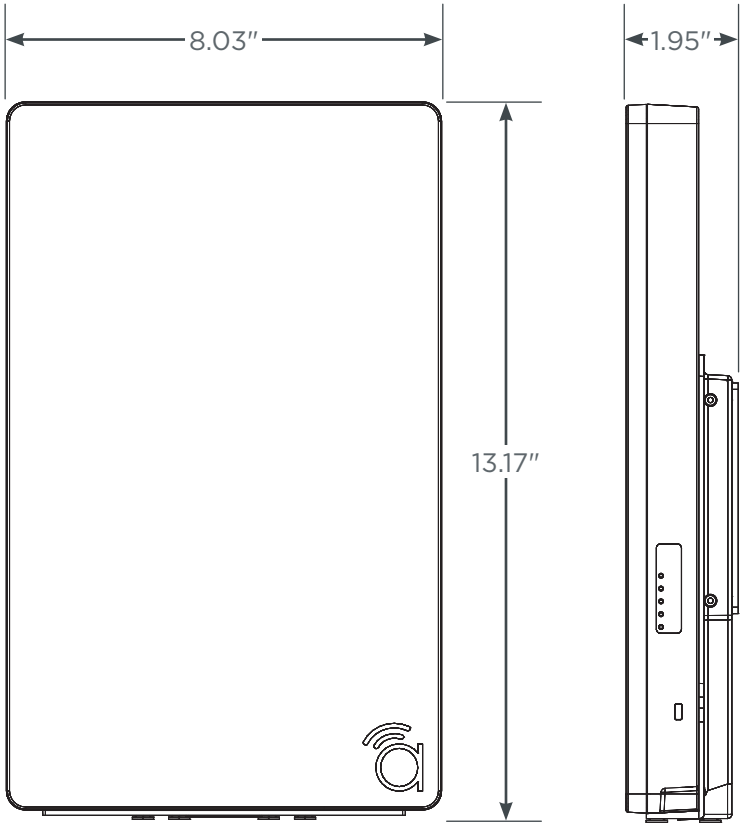
Management Features	
Cloud Management	Yes (via OvrC)
Web Management	Yes
Telnet	Yes
SNMP v1, v2c, v3	Yes
VLAN Support	Yes - 802.1Q
Wi-Fi Scheduler	Yes
Auto Reboot	Yes
Remote Firmware/Configuration Update	Yes

MCS Table

Channel	Data Rate	Transmit Power (Aggregated, dBm)	Receive Sensitivity (Aggregated, dBm)
802.11b 2.4 GHz	1 Mbps	22	-95
	2 Mbps	22	-93
	5.5 Mbps	22	-91
	11 Mbps	22	-90
802.11g 2.4 GHz	6 Mbps	21	-90
	54 Mbps	20	-74
802.11a 5 GHz	6 Mbps	22	-90
	54 Mbps	19	-74
802.11n HT20 2.4 GHz	MCS 0 / 8 / 16	22	-90
	MCS 7 / 15 / 23	19	-72
802.11n HT40 2.4 GHz	MCS 0 / 8 / 16	15	-86
	MCS 7 / 15 / 23	15	-70
802.11n HT20 5GHz	MCS 0 / 8 / 16	22	-91
	MCS 7 / 15 / 23	19	-72
802.11n HT40 5GHz	MCS 0 / 8 / 16	22	-87
	MCS 7 / 15 / 23	19	-70
802.11ac VHT20 5GHz	MCS0_1SS / 2SS/ 3SS	22	-90
	MCS8_1SS / 2SS/ 3SS	17	-67
802.11ac VHT40 5GHz	MCS0_1SS / 2SS/ 3SS	22	-87
	MCS9_1SS / 2SS/ 3SS	15	-63
802.11ac VHT80 5GHz	MCS0_1SS / 2SS/ 3SS	22	-85
	MCS9_1SS / 2SS/ 3SS	15	-60

* Transmit power is limited by local regulation.
* The supported frequency band is restricted by local regulatory requirements.
* Transmit power is displayed in 1.0dBm increments.

Dimensions



Certifications

Federal Communication Commission Interference Statement

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 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 transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Operations in the 5.15-5.25GHz band are restricted to indoor usage only.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 30cm between the radiator & your body.

Industry Canada Statement:

This device complies with ISED's licence-exempt RSSs. 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.

Le présent appareil est conforme aux CNR d' ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Caution :

(i) 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

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

Avertissement:

(i) le gain maximal d'antenne permis (pour les dispositifs utilisant la bande de 5725 à 5 850 MHz) doit être conforme à la limite de la p.i.r.e. spécifiée pour l'exploitation point à point et l'exploitation non point à point, selon le cas;

(ii) De plus, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5650-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

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 35cm between the radiator & your body.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 35cm de distance entre la source de rayonnement et votre corps.