Key Specifications

- Wi-Fi 6, 4 Stream AP
- 2x2:2 5 GHz Radio + 2x2:2 2.4 GHz Radio
- Up to 574 Mbps throughput for 2.4 GHz radio
- Up to 1.2 Gbps throughput for 5 GHz radio
- Integrated omnidirectional antennas
- 20/40/80 MHz channel width support
- 1 Gigabit Ethernet port
- Support for DL MU-MIMO
- Support for DL/UL OFDMA
- 802.3af PoE support
- Wall and ceiling mounting options

Key Features

- Distributed Data Plane architecture
- Zero-touch deployment through automatic cloud activation and configuration
- Cloud or on-premise management plane options
- Operating modes for dedicated access or dual mode
- Support for up to 8 distinct SSIDs per radio
- Integrated firewall, traffic shaping, QoS and BYOD controls per SSID
- Dynamic RF optimization through smart steering, band steering and optimal channel selection
- Application visibility through layer 7 deep packet inspection
- Automated device access logging
- Patented Marker Packets™ technology for rogue AP detection and classification
- Wired VLAN monitoring for "No-WiFi" zone enforcement
- Third party analytics integration with real- time data transfer
- Self-healing wireless mesh networking

Aesthetic Design and High Performance

Arista C-200 is an enterprise-grade, 4 stream Wi-Fi 6 AP with dual concurrent 5 GHz and 2.4 GHz band radios supporting 2 stream 802.11 a/n/ac/ax, 2 stream 802.11 b/g/n/ax and data rates of up to 1.2 Gbps and 574 Mbps, respectively.

C-200 Capabilities

C-200 provides Wi-Fi 6 performance improvements to deliver higher capacity and more efficient use of the available spectrum. It provides industry leading user experience and throughput in high density environments. Uplink/ Downlink OFDMA channelization allocates bandwidth more efficiently across client devices to provide a better user experience. The ability to serve multiple clients simultaneously through DL MU-MIMO further improves system capacity and user experience.

C-200 is ideal for medium and low density networks serving a moderate volume of diverse clients and applications. Common deployment scenarios include schools, remote offices, meeting rooms, and enterprise campuses.

Arista CloudVision® Managed Wi-Fi

The C-200 is an Arista CloudVision Wi-Fi managed platform. Available as a cloud service or on-prem management platform, CloudVision Wi-Fi leverages a purpose-built cloud architecture delivering cloud cognitive grade analytics and automation to enterprise Wi-Fi networks. CloudVision ensures high reliability, scalability, security and cost effectiveness.

Arista C-200

Access

C-200 provides Wi-Fi networks that require less time and resources to deploy and maintain compared to traditional devices, resulting in significant cost savings.

- Plug and play provisioning using either Cloud or on-premise deployments - Arista Access Points take less than two minutes to activate and configure after connecting to the cloud
- Support for up to eight individual SSIDs per radio providing maximum flexibility in network design
- Network controls like NAT, Firewall and QoS implemented at the Access Point, ensuring faster and more reliable networks
- Background scanning of all 2.4 GHz and 5 GHz channels to assist in RF optimization and client handling
- Smart steering addresses sticky client issues by automatically pushing clients with low data rates to a better access point
- Band steering manages channel occupancy, pushing clients to the 5 GHz channel for optimal throughput
- Smart load balancing distributes load evenly across neighbouring APs to optimize the use of network resources
- Arista Wi-Fi's distributed data plane architecture continues to serve users and secure the network even if connection with the management plane is interrupted
- Interference avoidance from LTE/3G small/macro cells in commonly used TDD/FDD frequency bands

Security

C-200 offers complete visibility and control of the wireless airspace ensuring network integrity while actively protecting users without manual intervention.

- C-200 is equipped with industry leading fully integrated wireless intrusion prevention capabilities
- Arista's patented Marker Packets™ help accurately detect rogue access points on any network while minimizing false positives
- Deterministic rogue AP detection and prevention by monitoring all WiFi and non-WiFi VLANs.
- Over-the-air and on-the-wire prevention techniques assure automatic and reliable threat prevention to keep unauthorized clients and rogue APs off the network without impacting authorized connections.
- Access Points autonomously scan for wireless threats and enforce security policy even if disconnected from the cloud management plane
- VLAN monitoring enables a virtual connection to non-WiFi networks for complete network rogue detection and prevention

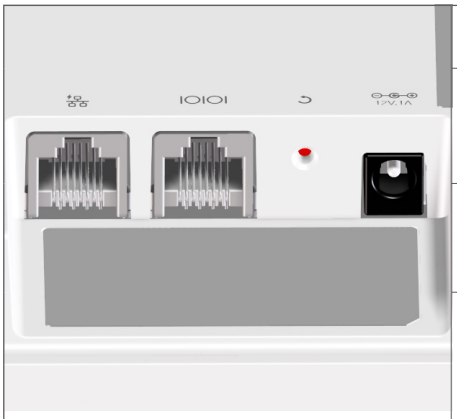
Analytics

The C-200 collects telemetry on connected and unconnected WiFi clients and supports immersive guest network experiences that help Arista's customers develop and reinforce the relationship with their end customers.

- Reports of customer footfall, demographic, loyalty and other analytics provide insightful and actionable information.
- Supports proximity marketing programs that trigger when certain devices are present, which includes automatic messaging vis MMS in-browser notifications and real time notifications sent to 3rd party systems that alert to the presence of enrolled devices.

Physical Specifications

Property	Specification
Physical Dimensions	167mm x 167mm x 44mm/5.5" X 5.5" X 1.5"
Weight	0.5 kg / 1.1 lb
Operating Temperature	0°C ~ +40°C (+32°F ~ +104°F)
Storage Temperature	-25°C ~ +70°C (-40°F ~ +158°F)
MTBF	188,954 hr @ 40°C 363,153 hr @ 25°C
Humidity	0-95% non-condensing
Power consumption	12.4 W (max) / 4.3 W (min) / 11 W (avg)
Chipset	Qualcomm IPQ6010 1.6 GHz quad core ARM processor with QCN5024 and QCN5052
Processor and RAM	1 GB RAM and 512 MB Flash



Port	Description	Connector Type	Speed/Protocol
Power	48V/260mA and 12V/1A	5.5 mm overall diameter / 2.1 mm center pin hole	N/A
LAN1	1 Gigabit Ethernet with 802.3af compliant PoE	RJ-45	100Mbps/1Gbps Ethernet
Console	Establish 'config shell' terminal session via serial connection	RJ-45	• RS 232 Serial (115200 bits per second) • Data bits:8; Stop bits: 1 • Parity: None • Flow Control: None
Reset	Reset to factory default settings port	Pin hole push button	Hold down and power cycle the device to reset

Operational Specifications

Input Power	12V DC (5.5mm overall diameter/2.1mm center pin hole) 802.3af PoE - Full function
Number of Radios	2 access radios; one 2x2:2 2.4 GHz and one 2x2:2 5 GHz radio for simultaneous dual band access
Max Clients Supported	512 - 256 clients per radio (dependent upon use cases)
MU-MIMO	2X2 on 5 GHz radio and 2X2 on 2.4 GHz radio
Number of Spatial Streams	2 for 5 GHz radios, 2 for 2.4 GHz radio
RF Transmit Power[1]	23.6dBm on 5 GHz radio (max) and 23.8dBm on 2.4 GHz radio (max)[2]
80+80MHz Non-Contiguous Channel Bonding	No
Bandwidth Agility	Yes
3G/4G Macro and Small Cells Interference Mitigation	Yes
Frequency Bands	2.4-2.4835 GHz, 4.9-5.0GHz, 5.15-5.25 GHz; (UNII-1), 5.25-5.35 GHz, 5.47-5.6 GHz, 5.650-5.725 GHz (UNII-2), 5.725-5.85 GHz (UNII-3)
Dynamic Frequency Selection	Supported in compliance to all latest amendments from FCC, CE, IC, TELEC, KCC, NCC and ANZ regarding certifications

WiFi Specifications

IEEE 802.11a/n/ac/ax			
Frequency Band	Scanning	Transmission	
	All regions	USA & Canada (FCC/IC)	Europe (ETSI)
5 GHz	5.15 ~ 5.25 GHz 5.25 ~ 5.35 GHz 5.47~ 5.725 GHz 5.725~ 5.825 GHz	5.15 ~ 5.25 GHz 5.25 ~ 5.35 GHz 5.725~ 5.825 GHz	5.15 ~ 5.25 GHz 5.25 ~ 5.35 GHz 5.47~ 5.725 GHz
Dynamic Frequency Selection	DFS and DFS2		
Modulation Type	OFDM / OFDMA		
Peak Data Rates	Up to 1.2 Gbps		
Antenna	Integrated modular high efficiency PIFA antenna x2 (peak gain: 4.8 dBi)		

[1] Conducted output power combined across all Tx chains.
[2] Actual power for Tx will depend on Country Regulatory Domain.

IEEE 802.11b/g/n/ax			
Frequency Band	Scanning	Transmission	
	All regions	USA & Canada (FCC/IC)	Europe (ETSI)
2.4 GHz	2400 ~ 2483.5 MHz	2400 ~ 2473.5 MHz	2400 ~ 2483.5 MHz
Modulation Type	DSSS / OFDM / OFDMA		
Peak Data Rates	Up to 574 Mbps		
Antenna	Integrated modular high efficiency PIFA antenna x2 (peak gain: 4.3 dBi)		

Receive Sensitivity

For 5 GHz

Mode	Rate	Sensitivity (dBm)
802.11a	6 Mbps	-95
	54 Mbps	-78
11n_HT20	MCS 0	-93
	MCS 7	-76
11n_HT40	MCS 0	-91
	MCS 7	-72
11ac_VHT20	MCS 0	-95
	MCS 8	-72
11ac_VHT40	MCS 0	-92
	MCS 9	-68
11ac_VHT80	MCS 0	-90
	MCS 9	-65
11ax_HE20	MCS 0	-95
	MCS 11	-65
11ax_HE40	MCS 0	-93
	MCS 11	-63
11ax_HE80	MCS 0	-89
	MCS 11	-60

For 2.4 GHz

Mode	Rate	Sensitivity (dBm)
802.11b	1 Mbps	-98
	11 Mbps	-90
802.11g	6 Mbps	-93
	54 Mbps	-76
11n_HT20	MCS 0	-94
	MCS 8	-72
11n_HT40	MCS 0	-91
	MCS 9	-67
11ax_HE20	MCS 0	-94
	MCS 11	-63
11ax_HE40	MCS 0	-91
	MCS 11	-61

Maximum Aggregate Transmit Power

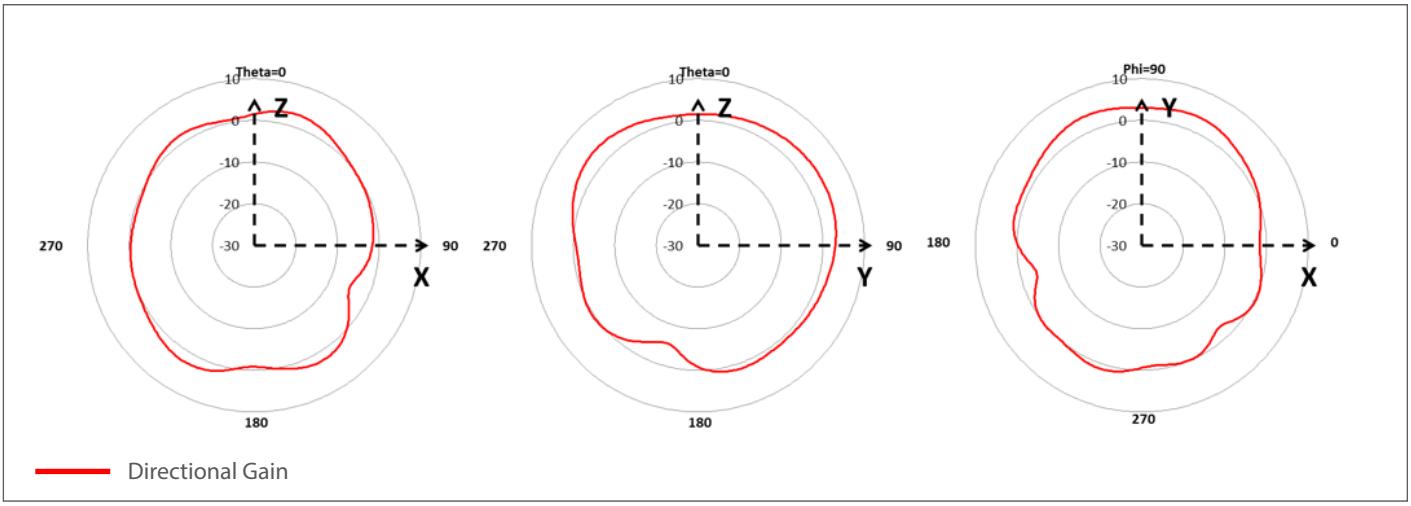
For 5 GHz

Mode	Rate	Tx Power (dBm)
802.11a	6 ~ 18 Mbps	23.6
	24 ~ 54 Mbps	21.6
802.11n_HT20	MCS 0 ~ 4	22.9
	MCS 5 ~ 7	21
802.11n_HT40	MCS 0 ~ 4	23.1
	MCS 5 ~ 7	20.9
802.11ac_VHT20	MCS 0 ~ 4	22.9
	MCS 5 ~ 7	21
	MCS 8 ~ 9	20.3
802.11ac_VHT40	MCS 0 ~ 4	23.1
	MCS 5 ~ 7	20.9
	MCS 8 ~ 9	20.2
802.11ac_VHT80	MCS 0 ~ 4	22.9
	MCS 5 ~ 7	20.9
	MCS 8 ~ 9	20.3
802.11ax_HE20	MCS 0 ~ 4	22.7
	MCS 5 ~ 7	21
	MCS 8 ~ 9	20.4
	MCS 10 ~ 11	19.8
802.11ax_HE40	MCS 0 ~ 4	23
	MCS 5 ~ 7	20.9
	MCS 8 ~ 9	20.3
	MCS 10 ~ 11	19.9
802.11ax_HE80	MCS 0 ~ 4	22.9
	MCS 5 ~ 7	20.8
	MCS 8 ~ 9	20.2
	MCS 10 ~ 11	19.7

For 2.4 GHz

Mode	Rate	Tx Power (dBm)
802.11b	1 ~ 11 Mbps	23.3
802.11g	6 ~ 18 Mbps	23.8
	24 ~ 54 Mbps	21.1
802.11n_HT20	MCS 0 ~ 4	23.1
	MCS 5 ~ 7	20.8
802.11n_HT40	MCS 0 ~ 4	22.8
	MCS 5 ~ 7	20.8
802.11ax_HE20	MCS 0 ~ 4	22.9
	MCS 5 ~ 7	20.8
	MCS 8 ~ 9	18.7
	MCS 10 ~ 11	17.3
802.11ax_HE40	MCS 0 ~ 4	22.8
	MCS 5 ~ 7	20.8
	MCS 8 ~ 9	18.7
	MCS 10 ~ 11	17.2

Radiation Pattern for 2.4 GHz



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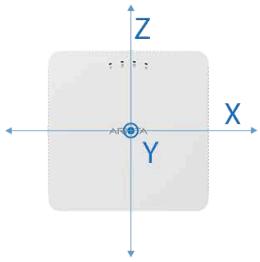

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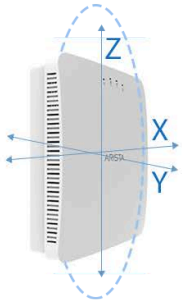

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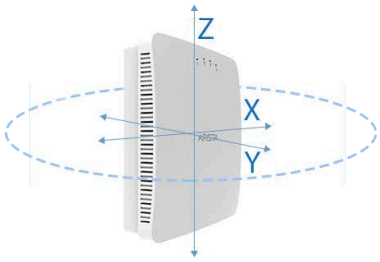
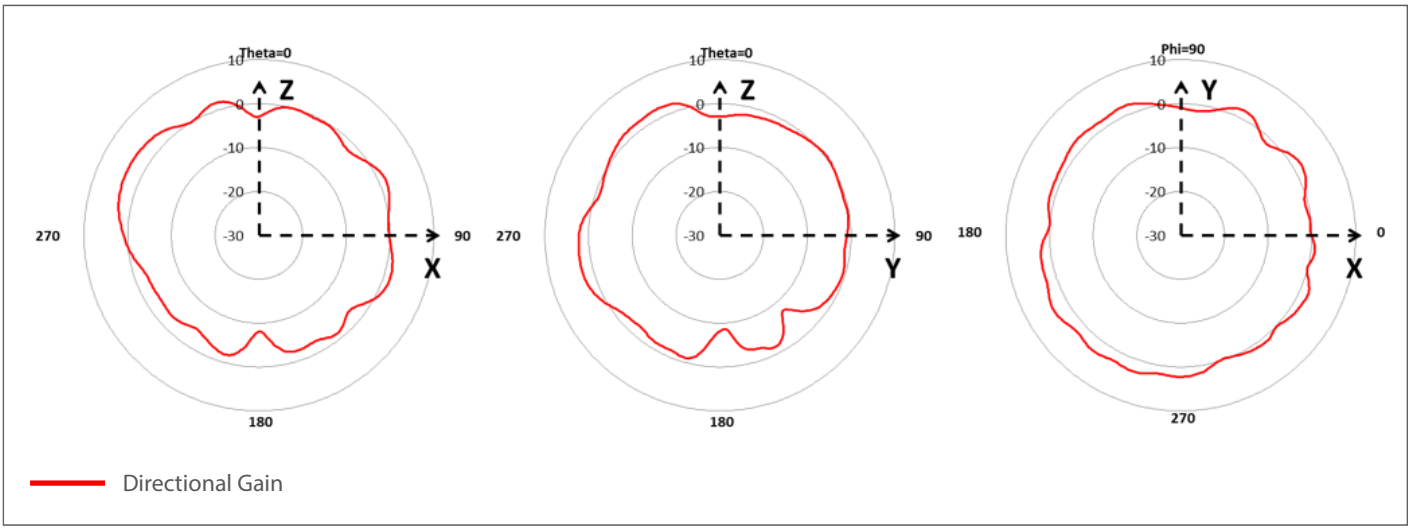


Radiation Pattern for 5 GHz



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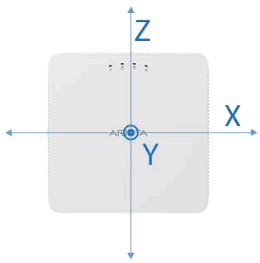

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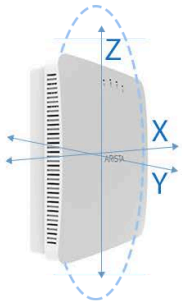

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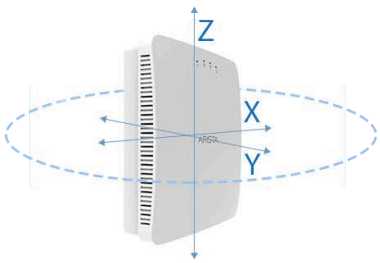

Regulatory Specifications

RF and Electromagnetic

Country	Certification
USA	FCC Part 15.247, 15.407
Canada	IC
Europe	CE EN300.328, EN301.893, EN301 489-1, EN55032, EN62311 Countries covered under Europe certification: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czechia, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, United Kingdom.

*For complete country certification records, please visit the site: https://www.arista.com/en/support/product-certificate

Safety

Country	Certification
USA	UL 60950 UL 2043
Canada	cUL 60950
European Union (EU)	EN 60950, EN 62368-1
Taiwan	CNS14336-1

Ordering Information

Access Point

Part Number	Description
AP-C200	C-200 2x2 dual-radio 802.11ax (WiFi 6) access point with internal antennas
AP-C200-SS-5Y	C-200 AP with 5 years bundled Cognitive Cloud SW subscription
AP-C200-SS-3Y	C-200 AP with 3 years bundled Cognitive Cloud SW subscription

Mounting Options

Part Number	Description
MNT-AP-24MM	AP mount kit for Interlude (15/16",24mm) T-grid rails
MNT-AP-15MM	AP mount kit for Suprafine (9/16",15mm) T-grid rails
MNT-AP-INTSIL	AP mount kit for Interlude and Silhouette T-grid rails
MNT-AP-FLAT-14CM	AP mount kit for flat surface installation (wall, hard ceiling)

Power

Part Number	Description
PWR-AP-W3	Universal AC power supply 12VDC 2A, Center+,DC Plug 5.5mm*2.1mm*L9.5mm, US, UK Euro AU Plug

Headquarters

5453 Great America Parkway
Santa Clara, California 95054
408-547-5500

Support

support@arista.com
408-547-5502
866-476-0000

Sales

sales@arista.com
408-547-5501
866-497-0000

www.arista.com