

# C-110

## Tri radio 2x2:2 MU-MIMO 802.11ac Wave 2 access point

### Key Specifications

- Up to 300 Mbps for 2.4 GHz radio
- Up to 876 Mbps for 5 GHz radio
- 802.11ac Wave 2 support
- 2x2 MU-MIMO with two spatial streams per radio
- Third 2x2 MIMO radio for dedicated RF and WIPS scanning
- Six integrated omnidirectional antennas
- 20/40/80 MHz channel width support
- 2x Gigabit Ethernet port
- Full operational capacity with 802.3af PoE

### Top Performance at the Best Price

The Mojo C-110 is an enterprise-grade 2x2 MU-MIMO tri radio 802.11ac access point with dual concurrent 5 GHz and 2.4 GHz band radios supporting 802.11a/n/ac Wave 2, 802.11b/g/n, two spatial streams, and data rates of up to 876 Mbps and 300 Mbps, respectively. It also contains a third 2x2 MIMO 802.11ac radio for dedicated multi-function scanning.

### Why Choose the C-110?

The C-110 provides the best value amongst high-performing, modern access points designed for cost-conscious organizations. Built using the latest 802.11ac Wave 2 chipsets, the C-110 is perfect for medium density environments looking for the high performance and advanced features of current access points without the high cost. Common deployment scenarios include small and medium schools, distributed remote offices, small meeting rooms, and enterprise campuses.

The C-110 provides access to advanced access point features like role-based firewalls and application visibility without the high cost typically associated with Wave 2 devices. The C-110 is also a perfect fit for organizations in need of future-ready dedicated security sensors.

### Mojo Cloud Managed WiFi

The C-110 is managed by the Mojo cloud and leverages a purpose-built cloud architecture to produce enterprise-grade wireless networks for every application required, ensuring high reliability through an approach that is automated, scalable,

### Key Features

- 100% controller-free
- Zero-touch deployment through automatic cloud activation and configuration
- Support for up to eight distinct SSIDs per radio
- Integrated layer 2 and application firewall, per-user bandwidth controls, and QoS per SSID
- Dynamic RF optimization through smart steering, band steering and optimal channel selection
- Automated device access logging
- No-WiFi VLAN monitoring for extended rogue access point detection
- Third party analytics integration for real-time data transfer
- Self-healing wireless mesh networking

### What really matters

The future of WiFi requires intelligent, self-reliant access points that support high-performing, highly reliable networks without the need of antiquated controllers. This approach removes the complexity, instability and high costs associated to enterprise WiFi today.

**Access**

The C-110 creates WiFi networks that require less time and resources to deploy and maintain compared to traditional devices, resulting in significant cost savings.

- Mojo access points take less than two minutes to activate and configure after connecting to the cloud
- Support for up to eight individual SSID's per radio allows for maximum flexibility in network design
- Network controls like NAT, Firewall and QoS occur at the access point level, ensuring faster and more reliable networks
- Persistent scanning through background scanning of all 802.11 channels increases insight and data to assist in RF optimization and client handling
- Smart steering addresses sticky client issues by automatically pushing clients with low speeds to a closer access point
- Band steering manages channel occupancy, pushing clients to the 5GHz channel for optimal throughput
- Access points continue to broadcast and support wireless networks even if their connection with the cloud is interrupted

**Security**

The C-110 offers complete visibility and control of the wireless airspace that keeps the integrity of the network in check and actively protects users without manual intervention.

- Every Mojo access point is equipped with the industry's only fully integrated wireless intrusion prevention capabilities
- Runs complete spectrum scans while simultaneously serving wireless clients through background scanning
- Mojo's patented Marker Packets™ are used to accurately detect access points on any network with the fewest false positives in the industry
- VLAN monitoring enables a virtual connection to non-WiFi networks for complete network rogue detection and prevention
- Automatic prevention combines over-the-wire and over-the-air techniques to keep unauthorized clients off the network and authorized clients on it
- Access points continue to scan for wireless threats and enforce security policy even if their connection with the cloud is interrupted

**Engagement**

The C-110 collects massive amounts of data and supports immersive guest network experiences that develops and reinforces the relationship between them and the brand.

- Persistent scanning of all 802.11 channels results in a comprehensive list of active wireless clients across the enterprise
- Choice statistics like location, duration, distance from access point and time of day are stored locally for every active wireless client
- Choice statistics like session duration, total data transfer up and down, data rate, smart device type and top-level domain are stored locally for every active connection
- Real-time notifications sent to third party systems that alert to the presence of enrolled devices
- Enables proximity marketing programs that trigger when certain devices are present
- Triggers automatic messaging via MMS, in-browser notifications and more

**Physical Specifications**

Property	Specification
Operating Temperature	0°C – 45°C (32°F – 113°F)
Storage Temperature	-20°C – 65°C (-4°F – 149°F)
Humidity	5%-95% non-condensing
Processor and RAM	Qualcomm IPQ4028 717 MHz quad-core ARM processor with 256 MB RAM and 64 MB Flash

**About Mojo Networks, Inc.**

Mojo Networks is redefining the modern WiFi platform. Imagine the scalability to set up millions of access points with a few clicks, all from your smartphone. Envision an Internet experience that engages users with your business to drive results. Stay secure on the same WiFi cloud powering major brands and the highest levels of government. And enjoy the cost savings of a cloud-first solution without the pricey markup of proprietary hardware. Welcome to the era of prolific connectivity. Founded in 2003, Mojo Networks (formerly known as AirTight Networks), serves customers in the Fortune 500, Global 2000 and large carriers around the world. Request a free demo of Mojo Cloud Managed WiFi Platform at [www.mojonetworks.com](http://www.mojonetworks.com)

**Technical Specifications**

Physical Specifications	
Antenna	Internal PIFA 2x2.4 GHz (2.5 dBi peak gain) 2x5 GHz (3.5 dBi peak gain) 2x for dedicated scanning
Ethernet Ports	2 Gigabit Ethernet ports with RJ45 connector type. One port to connect to the wired LAN and communicate with the Mojo Cloud or Server. This port can also be used to power the device using the 802.3at Power over Ethernet (PoE+) standard/802.3af Power over Ethernet (PoE). Second port can be used for aggregation or wired extension of an SSID
Reset	Pinhole push button
Operational Specifications	
Input Power	12V DC/1.5A (2 mm connector)/802.3af (PoE)/802.3at (PoE+)
Number of Radios	3 radios; One 2.4 GHz and 5 GHz radio each for simultaneous dual band client access, and 1 radio for dedicated scanning.
MIMO	2x2 for 2.4/5GHz Radios
Number of Spatial Streams	2 for 2.4/5GHz Radios
RF Transmit Power	20 dBm per radio chain (max); Actual power for Tx will depend on Country Regulatory Domain
Simultaneous MU-MIMO Clients	Two 1x1 MU-MIMO clients
Users in a MU-MIMO group with a 2x2 client	1
Bandwidth Agility	Yes
Frequency Bands	2.4-2.4835 GHz, 4.9-5.0 GHz, 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, CB, TELEC, KCC regarding certifications.

