

R-AP 555

Rugged Aruba Access Point 555

The **SUB-U Rugged-Access Point 555 (R-AP 555)** is a rugged 802.11ax (Wi-Fi 6) Access Point that meets MIL-STD 810 and IP68 levels of ruggedization and DO-160 flight qualification. The R-AP555 is based on the commercial off the shelf Aruba AP555 Wi-Fi Access Point, and retains all the capabilities of the class leading Aruba AP555 802.11ax (Wi-Fi 6) Access Point. The R-AP 555 offers high performance enterprise class Wi-Fi connectivity in support of high throughput and/or large number of clients applications (up to 3072 clients in total per R-AP 555). The R-AP 555 features tri-radio operation with two 5GHz and one 2.4GHz radio in a 4x4 MIMO capability, and is capable of 5.37Gbps of real world throughput. The R-AP 5555 also offers integral user configurable Bluetooth 5, 802.15.4 Zigbee, and NFC radio support allowing organizations to field wireless non-Wi-Fi based IOT technology solutions within the same topology covered by one or more R-AP 555s without the need to procure and field additional wireless connectivity infrastructure. The R-AP 555 offers both controller and controller-less modes. Fielding the R-AP555 in a controller-based mode (Remote or Campus) reduces deployment time, centralizes configuration, and helps manage inventory with Zero Touch Provisioning via Aruba Mobility Controller or a controllerless (Instant) mode. You can find more information at <https://www.arubanetworks.com>.



Controller-less (Instant) Mode

In controllerless mode, one AP serves as a virtual controller for the entire network. Learn more about Instant mode by visiting <https://www.arubanetworks.com>.

Mobility Controller Mode

For optimized network performance, roaming and security, APs tunnel all traffic to a mobility controller for centrally managed traffic forwarding and segmentation, data encryption, and policy enforcement.

Features

- ◀ 802.11ax (Wi-Fi 6) up to 5.37 Gbps
- ◀ WPA, WPA2 and WPA3 Enterprise, Personal, and Enhanced Open Security
- ◀ 802.15.4 Zigbee and NFV support
- ◀ ODFMA and MU-MIMO for enhanced multi-user efficiency
- ◀ Tri-radio mode with two 5GHz and one 2.4GHz radio (4X4 MIMO)
- ◀ Built in Trusted Platform Module (TPM)
- ◀ Bluetooth Low Energy Capability
- ◀ Transmit Beamforming (TxBF)
- ◀ Aruba Advanced Cellular Coexistence (ACC)
- ◀ Passpoint Wi-Fi - Seamless cellular to Wi-Fi Carrier over capability
- ◀ Dynamic Frequency Selection (DFS)

- ◀ VPN Tunnel Support (securing data from the AP to the Mobility Controller)
- ◀ 802.1at and BT PoE power consumption, or direct power

Specifications

- ◀ Size - 10 x 10 x 2.2"
- ◀ Weight - Approximately 6lbs
- ◀ Power - 802.3at PoE-BT (60w) or direct power
- ◀ Antennas - (8) Wi-Fi/ (4) BLE

Certifications

- ◀ MIL-STD 810
- ◀ DO-160

