## Overview

* **Tri-Band Tri-Concurrent 802.11BE Access Point**
* Supports **2.4GHz**, **5GHz**, and **6GHz** radio circuits (2x2 MIMO each)
* **Physical wireless data rate**: up to **11Gbps**
* Integrated **six antennas** for optimized coverage and performance
* **High-efficiency Wi-Fi 7**: MLO (Multi-Link Operation), MRU (Multiple Resource Units)
* **Ceiling-mount** design with sleek, modern housing
* Supports **dual image** and **secured boot** for enhanced firmware management and security
* Power options: **PoE 802.3at** or **12V/2.5A DC**



**Manufacturer**: SonicFi

## Specifications

**Interfaces:**

* Uplink Port:
	+ 1 x 10G Ethernet
	+ Auto-sensing speeds: 1Gbps / 2.5Gbps / 10Gbps

**Wi-Fi Radios**

* 2.4 GHz Radio
	+ Standard: IEEE 802.11BE
	+ Configuration: 2x2 MIMO (2 Spatial Streams)
	+ Max Data Rate: 688 Mbps
	+ Antenna Gain: 4 dBi
* 5 GHz Radio
	+ Standard: IEEE 802.11BE
	+ Configuration: 2x2 MIMO (2 Spatial Streams)
	+ Max Data Rate: 4323 Mbps
	+ Antenna Gain: 5 dBi
* 6 GHz Radio
	+ Standard: IEEE 802.11BE
	+ Configuration: 2x2 MIMO (2 Spatial Streams)
	+ Max Data Rate: 5764 Mbps
	+ Antenna Gain: 5 dBi
* Total Antennas: 6 internal antennas (2 per band: 2.4G, 5G, 6G)
* Technology Features: Tri-Band MU-MIMO, High-Efficiency Wi-Fi 7 with MLO and MRU support

 **Antennas**

* Type: Internal, six integrated antennas
* Gain:
	+ 4 dBi @ 2.4 GHz
	+ 5 dBi @ 5 GHz
	+ 5 dBi @ 6 GHz

**Power**

* Input Options:
	+ Power over Ethernet (PoE) 802.3at
	+ 12V/2.5A DC
* **Power Consumption**: Not specified in detail, optimized for low-energy indoor use

 **Physical**

* Mounting Options: Ceiling mount (bracket included)
* Weight:
	+ Net: 900g
	+ With bracket: 1000g
* Design: Sleek, white form factor; integrates seamlessly in modern office or commercial environments

**Environmental Conditions**

* Operating Temperature: 0°C to 40°C / 32°F to 104°F
* Storage Temperature: -40°C to 70°C / -40°F to 158°F
* Operating Humidity: 10% to 90% (non-condensing)
* Storage Humidity: 5% to 90% (non-condensing)

**Key Features**

* High-Efficiency Wi-Fi 7: Delivers blazing speeds and low latency using the latest 802.11BE standard
* Tri-Band Design: Handles dense device environments with dedicated radios per band
* Seamless Mounting: Designed for discrete installation in office or enterprise environments
* Smart Management: Enhanced memory enables secured boot, dual image, and advanced software features
* Next-Gen MU-MIMO: Optimized for high-density deployments and real-time application performance

## What’s in the box

**Package Content:**

* RAP7110C Access Point
* Ceiling mounting bracket and screws
* Quick Start Guide
* Regulatory documentation