WF-189

OpenSync™ Wi-Fi 7 Wireless Access Point

Overview

The Actiontec WF-189 is a high-performance tri-band 2×2 Wi-Fi 7 access point built for service providers deploying advanced managed Wi-Fi in MDU and small-business environments. Operating simultaneously across the 2.4 GHz, 5 GHz, and 6 GHz bands, the WF-189 delivers up to 9.3 Gbps aggregate wireless throughput, providing the speed, capacity, and low-latency connectivity required for today's bandwidth-intensive applications, including 4K/8K streaming, cloud gaming, video conferencing, smart-home ecosystems, and emerging AR/VR experiences.

Purpose-built for flexible MDU deployment, the WF-189 helps service providers deliver reliable, high-capacity Wi-Fi across apartments, condos, student housing, senior living communities, and other multi-unit properties where dense device environments and RF congestion can impact performance. Its universal mounting bracket supports ceiling or wall placement, enabling installers to optimize coverage in individual units, common areas, or small-business spaces while maintaining a clean, professional installation.

Powered by OpenSync™ and the Plume Cloud, the WF-189 enables intelligent, cloud-managed Wi-Fi services through Uprise and WorkPass. Multiple WF-189 units can operate as a Gateway/Extender mesh system, delivering self-configuring and self-optimizing connectivity that adapts to changing network conditions. For service providers, this creates a strong MDU value proposition: faster deployments, simplified remote management, improved resident experience, fewer truck rolls, reduced support calls, and the ability to offer differentiated managed Wi-Fi services at scale.

Key Features

- **Wi-Fi 7 (802.11be) tri-band —** up to 9.3 Gbps aggregate
- **2.4 GHz** 2×2 + **5 GHz** 2×2 + **6 GHz** 2×2 MIMO
- **6 GHz:** 20/40/80/160/320 MHz channels + MLO
- **OpenSync™ certified —** Plume Wi-Fi 7 ecosystem
- **HomePass & WorkPass:** self-managing, self-healing mesh
- **WPA2/WPA3 PSK** security
- **Ceiling or wall mounting —** universal bracket included
- **1× 5 GbE WAN/LAN** with 802.3at PoE (powered device)
- **1× 2.5 GbE** LAN + **1× USB** 2.0
- **BLE 5.1** for zero-touch device onboarding
- **Plume mobile app +** cloud dashboard management
- **Multi-color LED** status indicator

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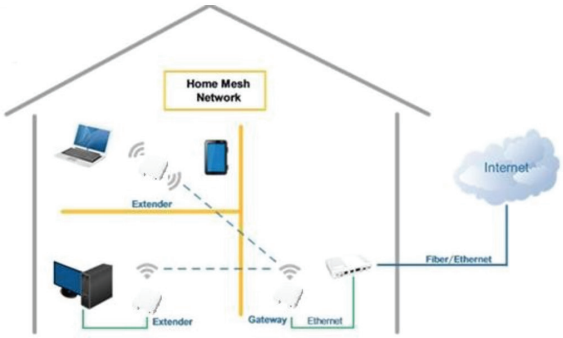
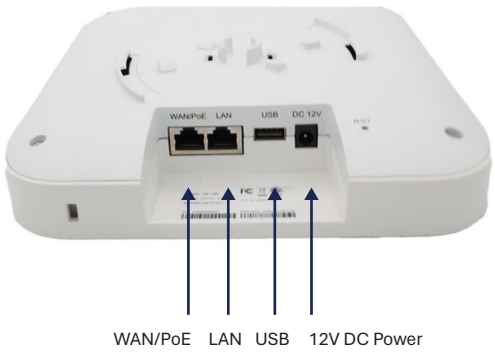
Configuration Scenario



Back Panel Connections



Features

CATEGORY	FEATURES
Network	**Bridge Mode:** DHCP Client; Wi-Fi or Ethernet backhaul (2.4G/5G/6G)
	Router Mode: IPv4/IPv6, NAT, DHCP, DNS, Reservation, UPnP, Port Forwarding
	Management: IGMP Snooping/Proxy
Wi-Fi	**Bands:** 2.4G 20/40MHz • 5G 20–160MHz • 6G 20–320MHz **Standards:** 802.11k/v/r, Band Steering, DFS, Channel Scan **Security:** WPA2/WPA3 PSK
Cloud	**Plume Cloud:** Zero-touch provisioning, AI optimization, real-time analytics
	App Controls: SSID config, client freeze, firmware OTA, antivirus
LED Status	**Solid Green:** Powered on **Blinking Blue:** Connecting to Plume Cloud **Off:** Connected (normal operation)

Hardware Specifications

ITEM	SPECIFICATION
Dimensions	190 mm × 190 mm × 35 mm
Weight	670 g (without bracket)
Installation	Ceiling or wall (universal bracket)
Ethernet	1× 5 GbE WAN/LAN (PoE PD) + 1× 2.5 GbE LAN
USB	1× USB 2.0
Power	802.3at PoE or 12 V/2.5 A DC; Max 25.5 W
Memory	256 MB NAND Flash + 1 GB DDR4
Bluetooth	BLE 5.1
IP Rating	IP30 (dustproof)
Operating Temp	-5°C to +40°C
Humidity	5%–95% RH, non-condensing
MTBF	>300,000 hours (Telcordia SR-332)
Regulatory	FCC, ETL, CE, RoHS 2011/65/EU

Model Information

MODEL #	DESCRIPTION	SOFTWARE
WF-189	Wi-Fi 7 Tri-Band Ceiling/Wall AP, OpenSync™, 5GbE WAN (PoE PD) + 2.5GbE LAN, Universal Bracket	OpenSync™
WF-189-3PK	Three-Unit Mesh Kit (1 Gateway + 2 Extenders)	OpenSync™

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