WF-672A

Tri-Band Wi-Fi 7 Outdoor Access Point

Overview

The WF-672A is a high-end tri-band 2×2 Wi-Fi 7 outdoor access point designed for operators and enterprises delivering reliable, high-capacity connectivity across large and demanding environments. Built for campuses, stadiums, industrial sites, transportation hubs, hospitality properties, and expansive outdoor venues, it combines Wi-Fi 7 performance, extended-range coverage, ruggedized hardware, and cloud-managed operation in a platform designed for scale.



Engineered for harsh outdoor conditions, the WF-672A features an IP67-rated, UV-resistant enclosure and supports an extended operating temperature range from -40°C to +65°C. With 32 dBm EIRP across all three bands, it helps operators extend coverage across wide outdoor areas, reduce the number of access points required, and improve connectivity for users, devices, cameras, IoT sensors, and operational systems.

The WF-672A supports flexible and resilient backhaul with a 2.5GbE 802.3at PoE port and 10G SFP+ uplink, giving operators deployment options for both Ethernet and fiber-connected environments. Integrated GPS simplifies site identification, asset tracking, and field operations, helping large deployments stay organized and easier to manage over time.

Powered by a Qualcomm IPQ5332 SoC with 1 GB DDR4 and 4 GB eMMC, the WF-672A runs TIP OpenWiFi R4.2 for cloud-managed operation, enabling centralized provisioning, monitoring, configuration, and lifecycle management across distributed outdoor networks. BLE 5.0 and optional TPM support provide additional flexibility for IoT use cases and enhanced platform security.

For operators, the WF-672A creates a path to deliver premium outdoor managed Wi-Fi services with fewer truck rolls, stronger deployment visibility, improved network reliability, and scalable support for high-density and mission-critical environments. Its combination of rugged design, long-range Wi-Fi 7 coverage, flexible uplinks, GPS support, and OpenWiFi-based management helps reduce operational complexity while expanding the broadband experience beyond indoor spaces.

Key Features

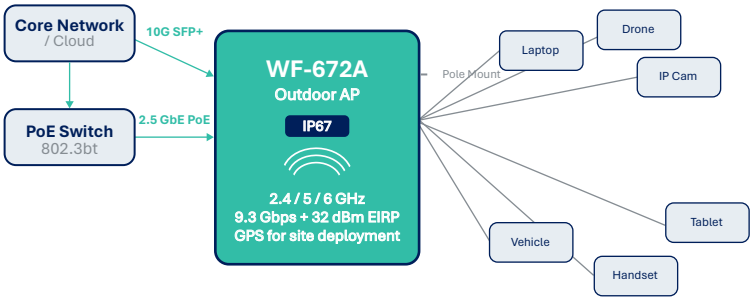
- **IP67 outdoor enclosure** — -40°C to +65°C; fully weatherproof and UV-resistant
- **32 dBm EIRP** — exceptional long-range coverage on all three bands
- **10G SFP+ + 2.5GbE PoE** — redundant multi-gig uplinks; 802.3at PoE powers the AP
- **GPS integrated** — precise location for deployment, monitoring, and management
- **TIP OpenWiFi R4.2** — open-source cloud management and OTA updates
- **6 GHz 320 MHz** — up to 5.764 Gbps; uncongested spectrum outdoors
- **Configurable radio modes** — tri-band 2×2:2 or dual-band 4×4 (SW-selectable)
- **BLE 5.0 + TPM (optional)** — IoT radio; hardware security module
- **AFC-ready 6 GHz** — automated frequency coordination for max legal EIRP
- **AFR < 1.5%** — carrier-grade reliability; Qualcomm IPQ5332 SoC

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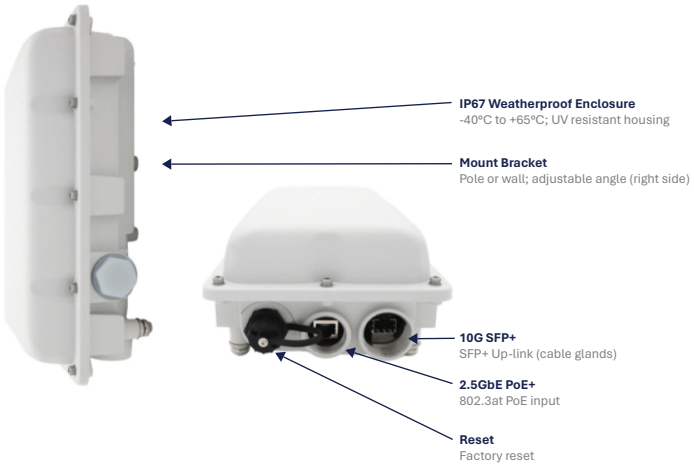
Configuration Scenario



Deployment: Campus Outdoor / Industrial / Stadium

WF-672A delivers IP67 tri-band Wi-Fi 7 with 32 dBm EIRP and 10G SFP+ uplink for demanding outdoor environments

Interface Connections



Features

CATEGORY	FEATURES
Wi-Fi 7	**Standard:** 802.11be (Wi-Fi 7); 2×2 tri-band; 2.4/5/6 GHz; backward compatible **Speed:** 2.4G: 688 Mbps (40 MHz); 5G: 2.882 Gbps (160 MHz); 6G: 5.764 Gbps (320 MHz) **Modes:** Tri-band 2×2:2 or dual-band 4×4 in 5G (software-configurable)
Uplink	**Ethernet:** 1× 2.5GbE RJ-45 (802.3at PoE PD; 802.3at with feature restriction) **SFP+:** 1× 10G SFP+ fiber uplink **Power:** 802.3bt PoE (primary); AC power supply (secondary); max < 25 W
Outdoor	**Enclosure:** IP67; UV-resistant; -40°C to +65°C operating; altitude to 2 km **Mounting:** Pole or wall; adjustable angle universal bracket included **Extras:** GPS; BLE 5.0; RGB LED; USB-C console; TPM (optional); factory reset
Management	**Platform:** TIP OpenWiFi R4.2; Qualcomm QSDK compatible **Reliability:** AFR < 1.5%; Qualcomm IPQ5332; 4 GB eMMC + 16 MB NOR flash

Hardware Specifications

ITEM	SPECIFICATION
Dimensions (W×D×H)	270 × 153 × 85 mm; 1600 g (without bracket)
Mounting	Pole or wall mount; adjustable angle; bracket included
Enclosure	IP67; UV-resistant; -40°C to +65°C operating; 2 km altitude
Ethernet Port	1× 2.5GbE RJ-45 (802.3bt PoE PD)
SFP+	1× 10G SFP+ fiber uplink
Power Input	802.3bt PoE (primary); AC adapter (secondary); max < 25 W
Chipset	Qualcomm IPQ5332
Memory	1 GB DDR4 RAM; 4 GB eMMC + 16 MB NOR Flash
Peak EIRP	2.4G: 32 dBm; 5G: 32 dBm; 6G: 32 dBm (combined gain)
BLE/GPS/TPM	BLE 5.0; GPS; TPM (optional); USB-C console
AFR	< 1.5% (annualized failure rate, continuous operation)
Certifications	ETL (UL 62368-1; CSA C22.2 No. 62368-1); FCC; RoHS

Model Information

MODEL #	DESCRIPTION	SOFTWARE
WF-672A	Tri-Band 2×2 Wi-Fi 7 (802.11be) Outdoor AP; IP67; 2.5GbE 802.3bt PoE + 10G SFP+; GPS; BLE 5.0	TIP OpenWiFi

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