

K60 Outdoor Access Point (Wave 1)

Artificial Intelligence, Enterprise Cloud Service Wi-Fi

Wi-Fi reliability, scalability and serviceability are top of mind for IT managers tasked with ensuring high performance access to their end customers. Options available today range from traditional Controller-based to Cloud Managed Wi-Fi solutions. Each option however, involves significant upfront capital costs, often with expensive annual maintenance and optimization contracts. Unfortunately, these solutions are not designed for cost effective, end-to-end network operations.

Do-it-yourself configuration widgets are useful in assisting IT staff set up basic features. However, ongoing operations and Wi-Fi optimization requires deep technical know-how. For example, determining number of APs needed, or how and where to place APs, ensuring client interoperability with the infrastructure, upgrades and optimizing RF environment (MIMO, etc.) can be a significant operational burden for IT. It involves innumerable hours of self-service, or phone and email exchanges with vendor support teams. Such activities consume days, if not weeks of IT productivity and increase operational costs.

KodaCloud is changing the fundamental Wi-Fi experience for businesses. We integrate Cloud Managed Wi-Fi with Proactive Network Operations in an end-to-end architecture focused on quality of user experience. We operate a 24x7 NOC staffed by KodaCloud Wi-Fi experts to offer a best of breed managed service. We use Artificial Intelligence to automate time consuming Wi-Fi optimization and fine-tuning tasks, giving valuable time back to IT. Our predictive analytics technology leverages the power of cloud computing and big data to optimize your network for highest performance in real-time, while helping reduce your operational costs and keeping you agile. As IT, you're only required to specify the services and interfaces you want to enable on our AP, or the security policies you want implemented via our Cloud service. We do everything else.

With KodaCloud's patent pending Artificial Intelligence, Cloud Service Wi-Fi, you will experience unprecedented performance, reliability, security and scalability across all locations - peace of mind, without the hassles of day-to-day Wi-Fi network operations management.



OVERVIEW

Technical Details

Access Point

Specifications:

- Frequency Band: 5.150 - 5.250 GHz, 5.250 - 5.350 GHz, 5.470 - 5.725 GHz, 5.725 - 5.850 GHz
- Standards: Radio 1 (2.4G; IEEE 802.11 b/g/n) Radio 2 (5G; IEEE 802.11 a/n/ac)
- IP-67 compliant enclosure
- RF Surge Lightning protection and Ethernet surge protection support
- Dimension: WxLxH:200x239x53mm

Interfaces:

- RJ-45 for 10/100/1000 Gigabit Ethernet
- 2nd RJ45 port support 802.3af (15.4W) PSE 6 N-Type connector
- 2.5Gbps on one Eth port

Radio:

- Dual radio; 3x3 11n (2.4G), 11ac (5G)
- Omni antenna with optional directional panel
- 2 Watt EIRP
- 802.3at POE-IN, 802.3af POE-OUT
- Support for 180Mhz channel
- Radio 1: 2.4G 11b/g/n/ac

Security:

- WPA2 pre-shared key, WPA2 802.1x
- RADIUS server support
- Guest & Hidden SSID, Management VLAN
- Up to 100 clients per AP

Environmental Specifications:

- Operating Temperature: -40°C to 60°C
- Storage Temperature: -40° to 70° (-40° F to 158° F)
- Humidity: 5% 90% typical (non-condensing)

Antenna Specifications:

- Antenna: N-type Dipole
- Peak Gain: 5dBi @ 2.4 GHz / 7 dBi @ 5 GHz

Enterprise Cloud Service Wi-Fi

- Cloud Managed Wi-Fi with 24x7 proactive network monitoring
- Simple provisioning & knob-less configuration of wireless network. Set up in minutes
- Monitoring & optimization of critical network services (RF, DHCP, DNS, RADIUS, Users, Devices, Internet)
- Insightful network operations & technical support dashboards
- KodaCloud App for remotely monitoring Wi-Fi network via iOS & Android based Smartphones
- Patent pending, Artificial Intelligence based diagnosis, troubleshooting, automatic correction and proactive optimization of Wi-Fi network
- Notification of issues proactively resolved and prevented, with real-time alerts to initiate critical action
- Integrated Account Management with Technical Support for ease of business operations
- 8x5xNBD HW replacement
- 24x7 NOC helpdesk for L3/L4 technical escalations



DATA SHEET

	Traditional Wi-Fi Solutions	Artificial Intelligence Cloud Service Wi-Fi
Hardware	Purchase	Included (KodaCloud Access Point)
Software	Purchase	Included (KodaCloud Cloud Subscription)
Proactive Wi-Fi troubleshooting, optimization and network operations support	Not available	Included
Proactive AI-based escalation to Network Operations Center	Not available	Included
Payment model	Upfront CAPEX (HW, SW) & Recurring (Network Optimization, Technical Support, Upgrades)	100% OPEX (annual subscription)

Key Features

SIMPLE, AFFORDABLE, SECURE

- Hassle free setup, deploy in minutes
- No topology changes required
- Overlay an existing Wireless LAN
- BYOD ready, Enterprise level security

ALWAYS-ON CONNECTIVITY

- Track APs, Users, Devices & Traffic across sites
- Easy access with iOS and Android Mobile App
- Single pane of glass visibility and action

PROACTIVE WI-FI HEALING

- No fine-tuning RF knobs or advanced settings
- No RF troubleshooting expertise required
- Automated troubleshooting & diagnosis of Wi-Fi network
- Issues resolved with “human-like” decision making capability

ARTIFICIAL INTELLIGENCE OPTIMIZATION

- Fine-tuning key RF and network parameters
- Learns your environment & optimizes performance in real-time
- High availability cloud service; big-data architecture
- No user data stored in KodaCloud cloud

Business Benefits

- Lower Wireless LAN related OPEX
- 24x7 NOC frees up IT and Ops teams
- No upfront cost or complexity
- Pay as you grow annual subscription
- Easy technology refreshes, receive free replacement AP's every 4 years
- Focus IT on strategic projects, deploy apps faster, gain productivity

Use Cases

- Ideal for businesses of any size, with one or many branches
- Enable high bandwidth video, mobile workforce or business critical apps
- Quickly eliminate Wi-Fi connectivity, performance and roaming issues
- Secure business with end-to-end control of service parameters
- Scale with usage. More users & apps = better optimization



Contact Sales, sales@KodaCloud.com for more details, or to start a free trial.