udaya

CLOUD MANAGED DUAL BAND INDOOR ACCESS POINT

Highlights

- IEEE 802.11a/b/g/n/ac Compliant
- 2.4GHz and 5GHz Concurrent
- Radios
- 2x2 MIMO Indoor
- Inbuilt 5dBi Omnidirectional Antennas
- 1.3 Gbps Aggregate Data Rate
- Self-Configuring, Self-Healing Mesh
- Cloud Based Monitoring
- Enterprise -Grade Security
- Network Management
- User Management
- Captive Portal
- Visitor Analytical Reports

Inventum's next-generation indoor access point is a two-radio, cloud-managed 2x2 MIMO 802.11ac Wave 2 access point. This high-power and cost-effective access point are designed for general-purpose, next-generation developments in indoor locations. It delivers high throughput, reliability, and flexibility required by the most demanding business applications like voice and high-definition video streaming, even in the harshest indoor environments.

The device offers high performance, enterprise-grade security, and intuitive management. It delivers a maximum 1.3 Gbps* aggregate frame rate with concurrent 2.4 GHz and 5 GHz radios.

UDAYA CLOUD MANAGEMENT: AN INTELLIGENT NETWORK

Monitoring & management of hundreds of access points can easily be done by udaya Cloud Managed Software in a cost-effective manner. It provides a user-friendly dashboard that allows the administrator to easily configure the devices, create access control, set application usage policies, and manage users.

Inventum's udaya is a secured, scalable, cloud-managed Wi-Fi software solution that simplifies the monitoring and management of an organization's distributed wireless network. Administrators can use the intuitive web interface or full-featured mobile app to manage their Wi-Fi infrastructure from anywhere. Thus, it can be deployed at any remote site even where networking/IT stuff is not available.

As udaya enables the access point to self-configure and manage over the cloud, remote diagnosis, device management, firmware update, etc. can be done easily over the cloud. Therefore, there is no need to visit the remote site for maintenance. In this way, It also helps in reducing the OPEX.

udaya also provides multiple organization & network support and multiple administrators with differential rights which allows a local administrator to configure the parameters as per local business requirements.

Specifications

udaya

Form Factor

Packaging	Ceiling mount/ Wall mount/ Desktop device
Type	Dual radio (2.4GHz and 5GHz) with support for AP mode & Mesh mode

Interfaces & Management

Interface	2 x 10/100/1000 BASE-T, RJ-45 Ethernet Port
Operating System	Invent OS

Antenna

Radios	2.400-2.4835GHz 5.1-5.9GHz 2*2.2 MIMO (Chains/Spatial Stream)
Frequency	2.4GHz: 2400 MHz ~ 2482 MHz 5GHz : 5150 MHz ~ 5250 MHz, 5250 MHz ~ 5350 MHz, 5470 MHz ~ 5725 MHz, 5725MHz ~ 5850MHz
Standard	2.4GHz: IEEE 802.11b/g/n 5GHz : IEEE802.11a/n/ac
Antenna	Inbuilt 5 dBi omnidirectional antennas
Transmit Power	26 dBm; 2.4 GHz & 5 GHz.
Channelization	802.11ac - VHT 20/40/80 MHz 802.11n - HT 20/40 MHz 802.11n VHT (256-QAM) 802.11n/ac packet aggregation - AMPDU, ASPDU
Data Rates	400 Mbps on 2.4 GHz, 867 Mbps on 5 GHz

Power

PoE	802.3af/at or Proprietary 48V, IEEE 802.11e Compliant
Power Consumption	25 W (Max) with surge protection of 2 KV

Dimensions & Environment

Type	Indoor
W x L x H / Weight	180 x 180 x 50 mm / 0.5 Kg (Approx.)
Operating Temp **Storage Temp**	-20 to 60°C -40 to 80°C
Humidity	Up to 90% (non-condensing)
Protection	IP-60
Compliance	IEEE 802.11a/b/g/n/ac

Ordering

Appliance / Chassis	A5-ID2-31580
udaya™ License **Mandatory per AP**	udy-w5sub-01

inventOS™ Standard Features

Software Security

- AAA - udaya RADIUS
- Flexible guest access with device isolation
- WPA, WPA2 AES-PSK/PSK, WPA2/Enterprise
- Hide SSID in Beacons
- MAC Address Filtering, Up to 32 MACs per SSID
- Wireless STA (Client) Connected List
- HTTPs, SSH and Client Isolation

Quality of Service

- Management Interfaces- udaya Cloud, Web Interface
- Hotspot (captive portal) with uniform QoS per user
- Tools for diagnostics - ping, traceroute, arp, nslookup
- Compliant with IEEE 802.11e Standard

User Management

- Packets transmitted and received
- RSSI (Received signal strength indication)
- Volume of uploaded and downloaded data
- Upload and download bandwidth
- Remote management via HTTP, HTTPs, Secure SSH, Telnet, SSL, SNMP management v1/v2c/v3, MIBI/II, Private MIB

Device/Network Management

- Completely cloud managed
- Public IP address, LAN IP address, DNS servers, Gateway
- Current channel of both the radios
- Memory total and free
- Firmware version, AP model, serial number
- LAN and WAN throughput
- IPv4 and IPv6 dual stack support
- Configuration file backup and restore by TFTP or FTP, HTML
- Rich system information –AP status, station status, event logs
- Supports 802.1d Spanning Tree Protocol

SSID

- 16 (For noth 2.4GHz & 5GHz radios)
- Supports 802.1q SSID-to-VLAN Tagging
- Cross-band VLAN Pass Through Management VLAN

Coverage 50 Meters

Clients 100 -200 Users per AP

Warranty†

Software	Refer EULA
Hardware	Standard 90 days, return to India factory

‡ Performance may vary based on hardware & network conditions. Concurrency of apps/features may affect performance. Figures provided are estimates not guarantees.

† Warranty terms shall be superseded by those shipped with product(s)

* Specifications/inclusions are indicative; Subject to change without notice.

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