

## VAP2300B Hospitality Access Point



Designed with enterprise-grade requirements in mind, VAP2300B is a low cost single-band 802.11n access point supporting 2x2 MIMO and a data rate of up to 300Mbps. VAP2300B has one of the lowest costs of any hospitality access point on the current market. The access point can seamlessly work with ABLOOMY local AC (CAM), ABLOOMY private cloud (CSP) and ABLOOMY public cloud (ACS). Leveraging a purpose-built edge-computing architecture, ABLOOMY access points build all kinds of customized, enterprise-grade wireless networks through an approach which combines simplicity, scalability, extensibility, reliability, performance and security.

### Features

#### Plug-and-Play

With zero configurations, ABLOOMY access points can be activated and up-and-running in seconds.

#### Self-optimizing

The Tx power can be adjusted automatically based on the RF environment to achieve the best wireless coverage; the automatic radio channel adjustment ensures that the AP is running on the best radio channel to reduce RF interference and congestion.

#### Load Balancing

Supports load balancing based on users and traffic.

#### Network functions

Support NAT, Firewall, QoS and other network gateway functions.

#### Security

Advanced security features, such as WPA2-AES, 802.1X, firewall, role-based access control, rogue AP detection and user isolation, help create enterprise secure wireless networks.

#### Guest networks

Provides isolated internet-only access for visitor. Enforce customized network access control policies.

#### Traffic shaping

Controls bandwidth usage based on ports, users and vlan.

#### Data analytics

Collects and visualizes the data from both the network and the physical world, providing visibility regarding network status and visitor statistics.

#### Location Based Service

Tracks client location with a patented algorithm based on Wi-Fi RF fingerprint, providing the client with proper localized services.

#### Automatic Maintenance

By monitoring the network status in real time, the AP system will create alerts, providing the knowledge for rapid troubleshooting. It also supports batch upgrading based on AP locations, models, versions, and other similar information. Upgrades can be scheduled autonomously, allowing for automatic network maintenance.

## Specifications

Model	VAP2300B
Dimensions	86mm*86mm*47mm
Weight	200g
Interface	1*10/100 RJ-45 WAN port 1*10/100 RJ-45 LAN port 1*RJ-11 port 1*USB external port Reset button DC power jack 1*WAN line groove 1*telephone line groove
Antenna	2*integrated omnidirectional antenna, 2x2MIMO; 2.4G antenna gain≥3dbi;
MIMO Streams	2.4GHz: 2x2
Max Data Rates	300Mbps
Power Supply	12V DC 1A PoE: 802.3af
Standards	IEEE802.11a/b/g/n 2.4GHz
Power consumption	6W(max)
Max Tx Power	2.4G : 20dBm Subject to local regulations
Frequency	IEEE802.11b/g/n:2.4000GHz~2.4835GHz ; Applicable to country/area restrictions
Channel	America/Canada:1-11, Europe (ETSI X30 ) :1-13, Japan X41:1-13
Adjustment	802.11b:BPSK,QPSK,CCK ; 802.11a/g/n:BPSK,QPSK,16-QAM,64-QAM
Operating Temperature	0~45°C
Storage Temperature	-20°C~60°C
Operating Humidity	5%~95% non-condensing
Load Balance	Support the load balance based on AP traffic and users
QOS	Support bandwidth control based on users, role, time, location, etc.
Forwarding Mode	Support local forwarding and Central forwarding
IPV6	Support
Soft GRE	Support
User Management	Support Web, CLI, SSH user management
Alerts	Support AP status alerts
RF	Auto and manual channel adjustment Adjustable power output Support seamless roaming
AP access	Broadcast discovery

	<p>DHCP Option 43</p> <p>DNS domain discovery</p> <p>Access across Internet and VPN remotely</p>
Security	<p>802.1X authentication</p> <p>Facebook authentication</p> <p>Google authentication</p> <p>SMS authentication</p> <p>Senseless authentication</p> <p>No authentication</p> <p>White and black list</p> <p>User isolation</p> <p>Wireless intrusion detection</p> <p>Detect and prevent rogue AP</p> <p>Role-based user rule</p> <p>Bandwidth control</p>
Access control	<p>IP-based filtering</p> <p>MAC-based filtering</p> <p>Protocol-based filtering</p> <p>Port-based filtering</p>
Statistics	<p>Statistics of access history</p> <p>Statistics of locations</p> <p>Network state, the online time of AP and users</p>
Protocol	<p>PPPoE, static IP, DHCP</p> <p>DHCP Server</p> <p>NAT</p> <p>DNS agency</p>
Wireless optimization	<p>Limit low-speed client connection</p> <p>Limit number of SSID clients connection</p>
Configuration management	<p>Support Web, CLI, SSH user management</p>