

VAP Series

The VAP Access Points are 802.11n AP nodes with Embedded Access Controller features enabling you to centrally manage up to 50 Thin APs. They also operate the concept of a virtual WiFi network which makes multiple APs appear the clients as a single WiFi network. This makes it easier for client connectivity and provides virtual roaming for users.



What is VAP

VAP (Virtual Access Points) are specially designed for operators who want to provide hot-spot services or SMB secured central wireless network solution and near seamless WiFi roaming. It is perfect for the installation in Warehouses, Hotels, Airports, School, Colleges, SMB environment and public places such as parks, shopping malls, conference rooms, exhibitions, etc.

With a friendly user interface and automatic discovery for devices within the network the VAP is very easy to deploy and centrally managed and automatically tuned: Ideal for small business that required a robust and secure WLAN solution.

Virtual WiFi network means it's simple for clients to connect to and gives virtual roaming between APs.

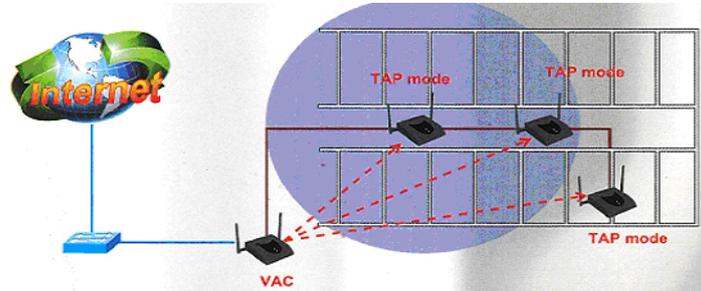
Benefits:

- 1. Scalability** - A scalable solution to implement up to 50 VAP APs. Every new Thin Ap will be automatically recognised and registered in the main AP.
- 2. Cost Effective** - When managing and monitoring all the thin APs, No extra expensive access controller or software are required.
- 3. Single point of management**
Every time the main AP made changes the configuration will push to every thin AP automatically and firmware upgrade will be automatically send to each thin APs by a single click.
- 4. Remote AP Management**
Future FW release – The VAP can remotely manage the thin APs via the Internet. Central management over the WAN deployment.
- 5. Single WiFi Network**
Simplifies connectivity with roaming

Key Features

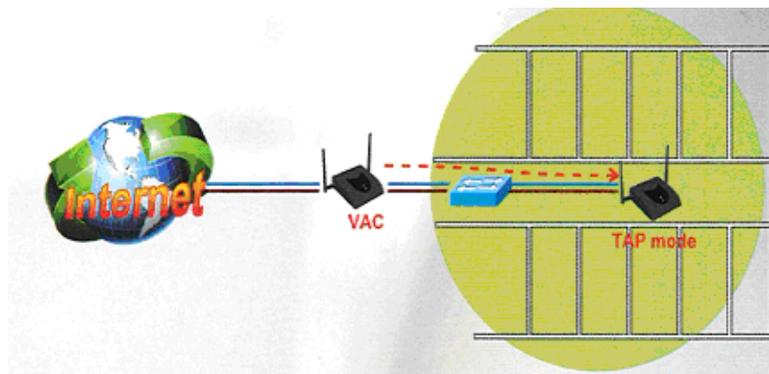
Centralise Management

The WLAN configuration and firmware upgrade is performed by the VAP for all the managed thin Aps on the network.



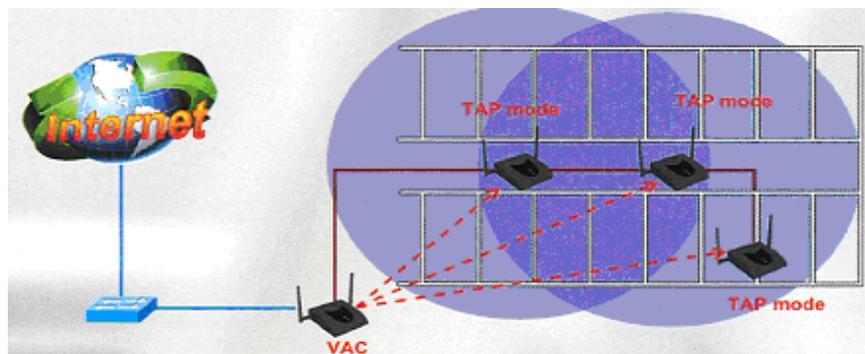
Auto Configuration

When first connected, the thin APs will discover the VAP controller automatically and then download the configuration from the AC automatically such as SSIDs, encryption type etc.



Firmware upgrade in a Batch

The VAP allows to distribute new firmware updates to all registered thin APs within the network.



Real-time Monitoring

Through the web-based management of VAP, the administrator can real-time monitor the numbers of connected APs and wireless users connected to the APs as well as network usage to help diagnose wireless problems and resolve issues quickly.

Wireless Networks View if the thin APs are in operation

This table shows the status of each wireless Network(SSID).

Index	Activity	SSID	Broadcast SSID	Security	Clients	Uploaded	Downloaded
1	Active	wireless	Enabled	None	22	43MB	56MB
2	Active	wireless2	Disabled	WEP	42	623MB	867MB
3	Active	wireless3	Enabled	WPA-PSK	65	614MB	349MB
4	Inactive	wireless4	Enabled	None	0	0MB	0MB
5	Inactive	wireless5	Enabled	None	0	0MB	0MB
6	Active	wireless6	Enabled	WPA-PSK	84	945MB	642MB
7	Active	wireless7	Enabled	WPA2-PSK	12	571MB	44MB
8	Active	wireless8	Enabled	WEP	33	654MB	110MB
9	Active	wireless9	Disabled	WEP	86	764MB	628MB
10	Inactive	wireless10	Disabled	None	0	0MB	0MB
11	Inactive	wireless11	Disabled	None	0	0MB	0MB

Monitor numbers of wireless clients connected to each thin AP

Log & Alerting

The event log provides system and network events. Should an critical issue arise such as disconnections etc, the VAP will alert administrators of the event via email.

System Log On-line monitor system/network events of each Thin AP with date and time

This page show the system log.

#	Time	Priority	Source	Message
1	2011-11-27 17:33:08	alert	00:00:00:00:00:00	WLAN switch antenna from External(1) (0).
2	2011-11-27 17:33:08	alert	00:19:70:20:FA:D2	WLAN service started.
3	2011-11-27 17:33:08	alert	00:19:70:20:FA:D2	WLAN service stopped.
4	2011-11-27 17:33:08	alert	00:19:70:20:FA:D2	WLAN service started.
5	2011-11-27 17:33:08	alert	00:19:70:20:FA:D2	WLAN service stopped.
6	2011-11-27 17:33:08	alert	00:19:70:20:FA:D2	WLAN service started.
7	2011-11-27 17:33:10	info	192.168.1.1	znmppd: AC started.
8	2011-11-27 17:33:13	alert	192.168.1.1	znmppd: Device connected.
9	2011-11-27 17:33:14	alert	00:19:70:20:FA:D2	WLAN service stopped.
10	2011-11-27 17:33:15	alert	00:19:70:20:FA:D2	WLAN service started.
11	2011-11-27 17:33:15	alert	00:19:70:20:FA:D2	WLAN service stopped.

System Alerts

Use this page to show the system alerts.

Enable System Alerts

IP Address:

Port:

Send Alerts via Email

Send Alerts to:
(Email Address)

Alert Sending Scheduler:

Day for Sending Alerts:

Time for Sending Alerts:

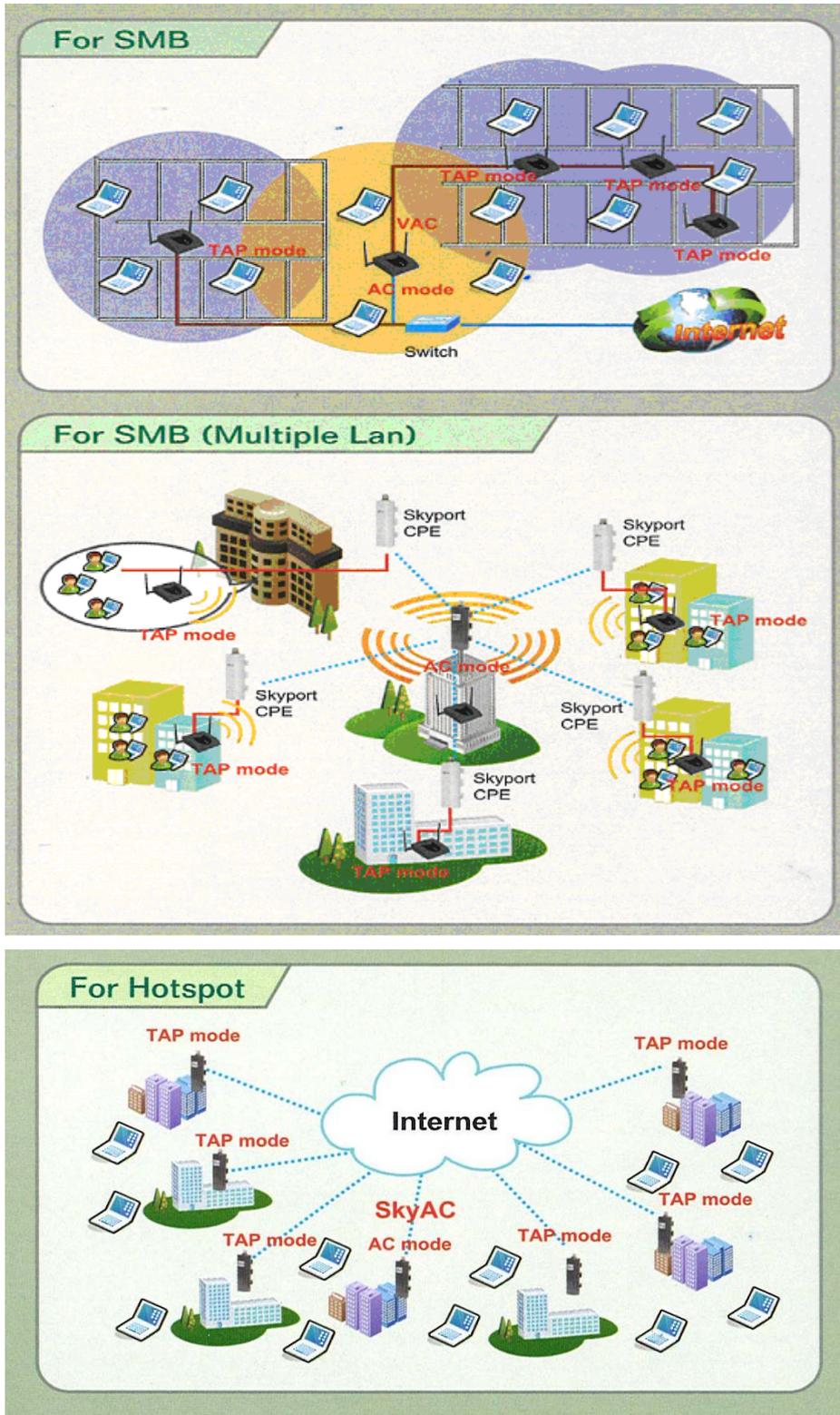
Clear alerts after:

Mail Server Settings

Enabling System Alerts allows to send alert notification to the administrator via email



Applications



Specification

Hardware Specification

Table 2-1 Hardware Specification

Features	Additional Information
Chipset Solution	CPU: AR7240 RF: AR9285
Standard Compliance	- IEEE802.3u MDI / MDIX 10/100 Fast Ethernet - IEEE802.11b/g wireless LAN interface - IEEE 802.11n wireless LAN standard
DDR	64Mbyte
Flash	16Mbyte
PoE	Passive PoE 15V
CPU	400MHz
Antenna	Default embedded 8dBi directional antenna (Vertical-Pol)  Reserve N-type Connector (Plug) *Switchable by SW
Antenna Configuration	1 * 1 (1 Tx,1 Rx)
LAN port	1port
Ethernet PHY	10/100
Reset Button	Reset to factory default
System Update Capability	- Support Web-UI upgrade via Ethernet port or wireless network - Support TFTP upgrade via Ethernet port
LED Definition	<p>Power</p> <ul style="list-style-type: none"> • Green On: Power / system on • Green Off: power / system off • Amber Blinking: Device in Initialization <p>LAN</p> <ul style="list-style-type: none"> • Off: No Ethernet connection detected • Green On: Ethernet connection detected • Green Blinking: Sending / receiving data <p>WLAN</p> <ul style="list-style-type: none"> • Green Off: WLAN disabled • Green Blinking: WLAN activity <p>AC Mode</p> <ul style="list-style-type: none"> • Yellow Off: Device not in AC mode • Yellow On: Device in AC mode <p>Error</p> <ul style="list-style-type: none"> • Red Off: No error • Red Blinking - 1 time: (TAP-only) TAP not configured