



# APM CO., LTD

## AWAP-001

### In Wall Box Access Point



### Introduction

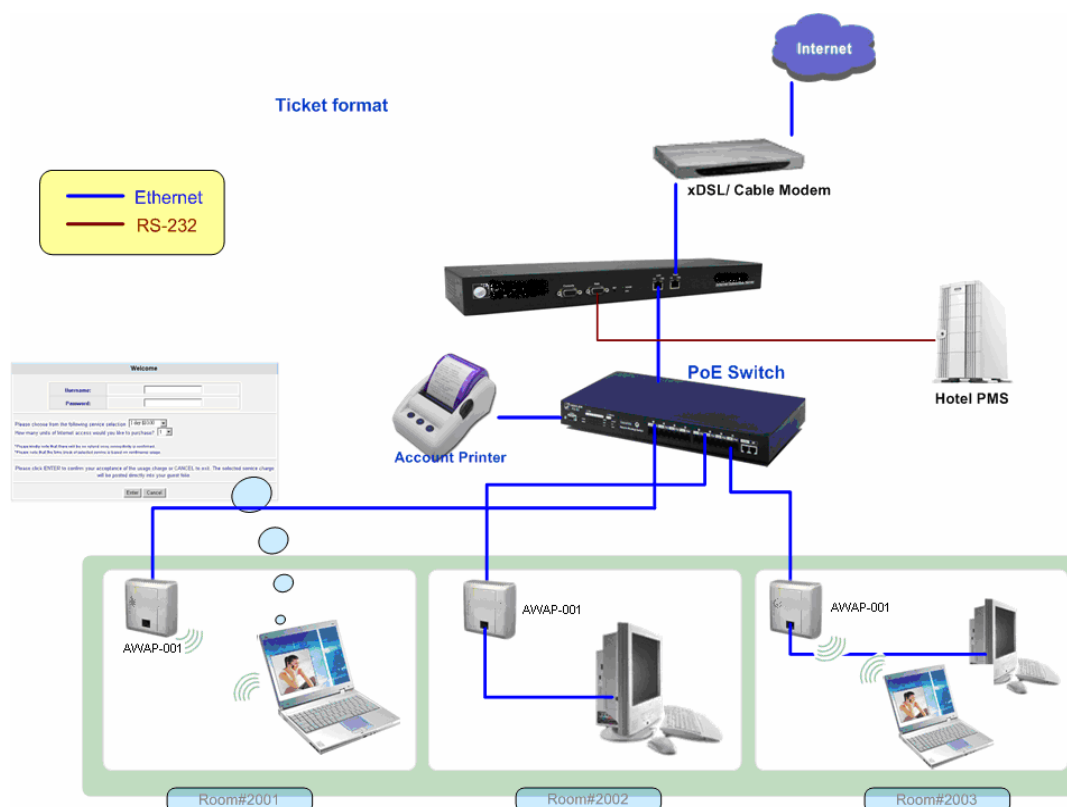
The AWAP-001 Access Device revolutionizes the way wireless and wired IP-based services are delivered to hospitality and residential properties.

The AWAP-001 integrates wired and wireless connectivity into a small unit that can be quickly and discretely installed in a standard wall box.

The AWAP-001 provides One Ethernet ports, a 2.4GHz 802.11b/g/n wireless access point.

The AWAP-001 requires a single powered cable drop to unlock its utility and, through the reduction in cabling, switch ports, and power-sourcing equipment, the AWAP-001 represents the best value for the delivery of next generation entertainment services.

### Application





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### S/W Specification

#### Networking

- IEEE802.3 10 Base TX Ethernet
- IEEE802.3u 100 Base TX Fast Ethernet
- IEEE802.3af Power over Ethernet
- IEEE802.11b Wireless LAN
- IEEE802.11g Wireless LAN
- IEEE802.11n Wireless LAN
- Static IP Client
- DHCP Client

#### Security

- WEP
- WPA
- WPA2
- WPS (phaseII)

#### Management

- Web-based Management Tool
- Firmware Upgrade via HTTP/TFTP
- Wizard setup for step-by-step Configuration
- Backup/Restore/Factory Default Setting
- Remote Authorized Management
- SNMP v1/v2 (MIB II, Private MIB)

### Hardware Specifications

#### Ports/Connectors

- One RJ-45 connector for 10/100BaseTX LAN Ethernet port with Auto Cross-over and support 803.af PoE
- One RJ-45 connectors for 10/100BaseT LAN Ethernet port with Auto Cross-over
- Two RJ-11 connectors for telephone transparent

#### Power Requirement

- Input : Power of Ethernet(48V DC, 0.15A)
- Power Consumption: under 7.2watts

#### Radio

- Standard : IEEE 802.11b/g/n
- RF frequency range :  
North America: 2.412~2.462GHz  
Japan: 2.412MHz~2.472 GHz  
Europe ETSI : 2.412-2.472 GHz



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- IEEE 802.11g/n 40MHz Band
- USA(FCC): 2.422GHz ~ 2.452 GHz
- Europe(ETSI): 2.422 GHz ~ 2.462 GHz
- Japan(TELEC) : 2.422 GHz ~ 2.462 GHz
- Data modulation type : DBPSK/DQPSK/CCK/OFDM
- Output Power :

\* -7dBm

802.11b (11Mbps): -3.0+/-1.5 dBm

802.11g (54Mbps): -7.0+/-1 dBm

802.11n (300Mbps): HT20MHz: -7.0+/-1 dBm / HT40MHz: -9.0+/-1 dBm

\* 14dBm :

802.11b (11Mbps): 16.0+/-1.5 dBm

802.11g (54Mbps): 14.0+/-1 dBm

802.11n (300Mbps): HT20MHz: 14 +/-1 dBm / HT40MHz: 12+/-1dBm

### Led Indicators

LED	State	Description
PWR	Off	The Wireless Subscriber Gateway is not receiving electrical power.
	Green	The Wireless Subscriber Gateway is receiving electrical power.
SYS	Off	The Wireless Subscriber Gateway status is defective.
	Green	The Wireless Subscriber Gateway status is complete.
	Green (Blinking)	During firmware upgrades, this system LED will blink.
LINK / WAN	Off	Port has not established any network connection.
	Yellow	A port has established a valid 10/100Mbps network connection.
	Yellow (Blinking)	10/100Mbps traffic is traversing the port.
LAN	Off	Port has not established any network connection.
	Green	A port has established a valid 10/100Mbps network connection.
	Green (Blinking)	10/100Mbps traffic is traversing the port.
WLAN	Off	The Wireless is not ready.
	Green	The Wireless Subscriber Gateway has established a valid wireless connection.
	Green (Blinking)	The Wireless connection is active.

### Dimension

- Size: 39.3(W) x 71.6(L)x 55(H)/ mm
- Weight: About 84 kg (Net) G.W:290g

### Environment Conditions

- Operating Temperature: 0 to 50°C
- Storage Temperature: -10 to 60°C
- Humidity: 20% to 90% non-condensing ; 20% to 80% condensing

### Compliance

- CE
- NCC
- FCC
- RoHS
- WEEE