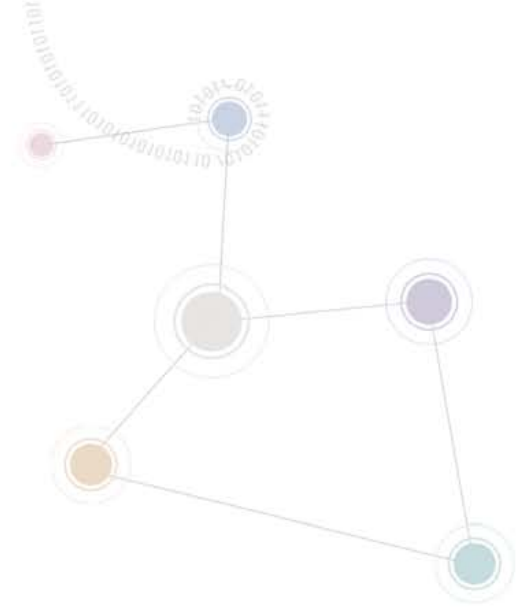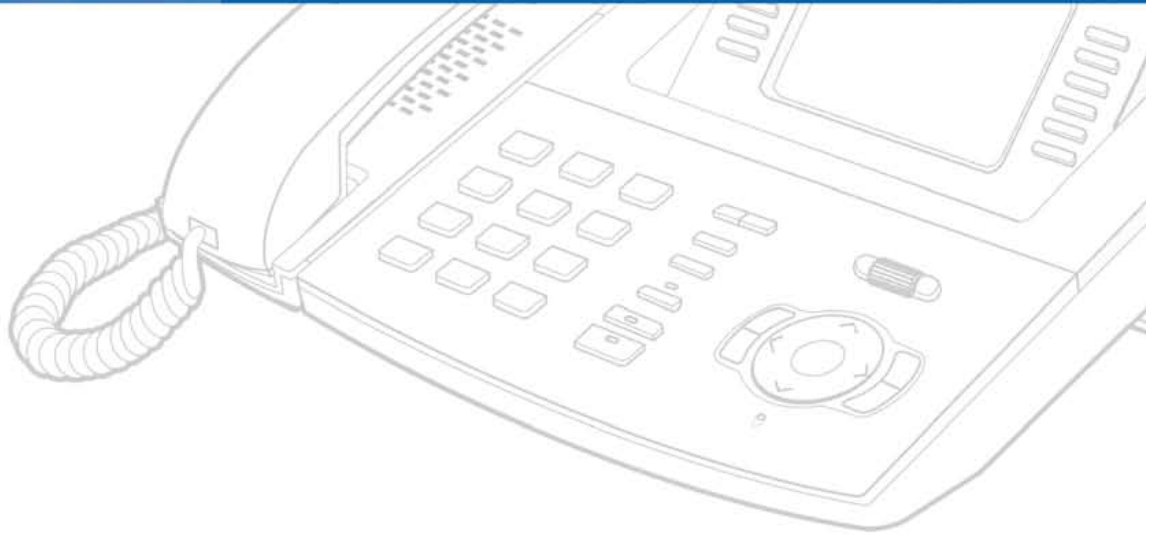Enterprise IP Solutions
OfficeServ

IP AOM Network Setting Guide
SMT-i5264

Safety Concerns

For product safety and correct operation, the following information must be given to the operator/user and shall be read before the installation and operation.
.

Symbols & Conventions

⚠	**Caution** Indication of a general caution
🚫	**Restriction** Indication for prohibiting an action for a product
❗	**Instruction** Indication for commanding a specifically required action.
NOTE	**Note** Indicates additional information for reference.

⚠ WARNING

Pull out the power plug when the IP AOM is not used for a long time or bad weather condition.

Failure to do so may cause fire or electric shock.

Be sure to connect the power connection port to the power adapter offered with the phone.

The use of another adapter may cause the critical damage to the phone..

Do not use damaged power plug or cord, or loose outlet.

Failure to do so may cause fire or electric shock.

Do not pull or bend power plug by force.
Do not touch the power plug with wet hands.

Failure to do so may cause the damage to power plug or fire, electric shock.

Do not place vases, flowerpots, cosmetics, or medicine, which contain water, near the IP AOM.

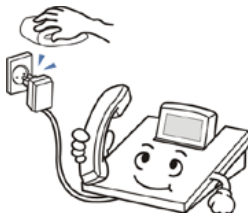Failure to do so may cause fire or electric shock.

Do not leave the IP AOM in dusty areas and near a heating devices (heater or light for cigarette). Install in the place well ventilated.

Failure to do so may cause fire or electric shock.

Do not use or keep flammable spray or materials near the IP AOM.

Failure to do so may cause fire or explosion.

Pull out the power plug and brush it with a cloth if the contact surface with power plug pins is dusty or gets wet. Contact the service center if the foreign materials or water is not removed even after brushing.

Failure to do so may cause fire or electric shock.

Pull out the telephone line at once and contact the service center if unusual sound, smell, or smoke comes out.

Failure to do so may cause fire or electric shock.

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⚠ CAUTION

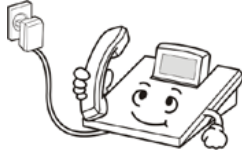|		
Be sure to connect the LAN cable linked to network to the LAN connection port of the phone, not to the PC-connection port of the phone. If the LAN cable is connected to the PC connection port, the phone or PC communication will be out of service.	**Do not spray water directly or do not use chemical solvents such as wax, benzene, alcohol, thinner, mosquito spray, aerosol, lubricant, and detergent.** Failure to do so may cause the damage to the product..	**Do not put heavy materials on the IP AOM.** Failure to do so may cause the damage to the parts of the IP AOM or fire.
Do not turn off the power while the IP AOM is upgrading its software. Failure to do so may interrupt the upgrades by stopping the operation of the telephone.	**Do not place the IP AOM under direct sunlight.** Failure to do so may cause product damage and product does not operate properly.	**Do not separate, repair, or remodel at your discretion.** Failure to do so may cause product damage.

TABLE OF CONTENTS

IP AOM Synopsis

Abstract

IP AOM co-works with IP phones such as ITP-51XX for OfficeServ and SMT-i52XX for OfficeServ and SCM, it has 64 buttons. IP AOM provides various services using short dial. It is more convenient. It helps users to improve office communication.

Configuration
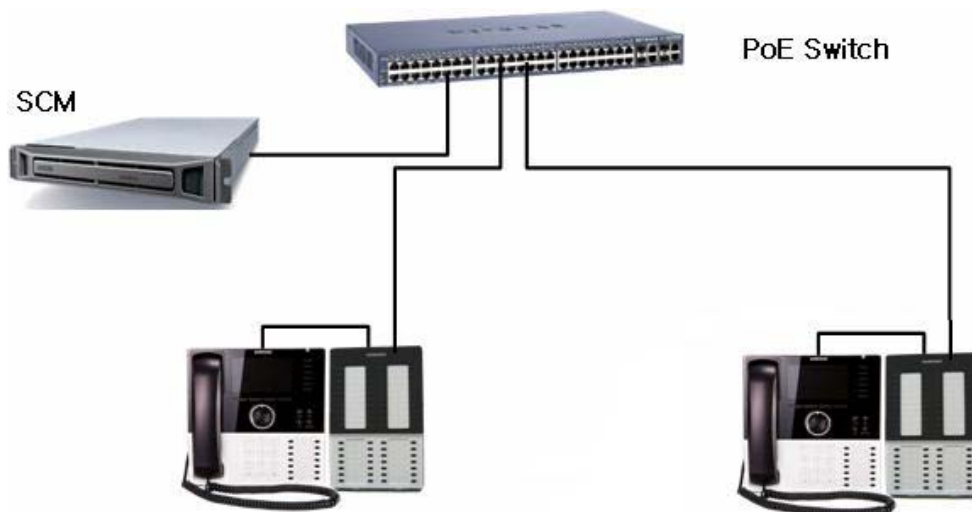
Notice

1) IP AOM doesn't supply PoE power to IP Phone when it's only connected with power adaptor. In this case, IP Phone must be connected with a power adaptor.

2) Several IP AOMs must be connected to switch separately. It doesn't supply direct connection to each other.

3) ☎ port of IP AOM doesn't supply the connection with PC.

Network Setting
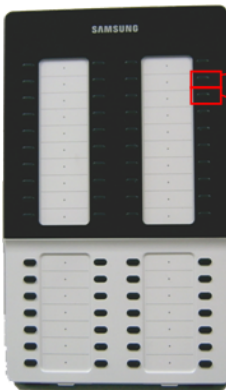
Using IP Phone

IP AOM

- After rebooting, press Key 5 until LED 8 and LED 12 blink for config mode.
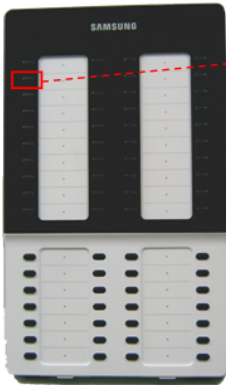
Press Key 5 during booting time for config mode

- Press Key 12.

Key 8 is for factory reset.
(Initialize network settings.)

Key 12 is for status which is waiting for network config message from IP phone

- Waiting for completion of setting from IP phone.
 ※ **Configure only one IP AOM at a time.**

NOTE

Configuration is initialized if key 8 is pressed.

. mode : DHCP (PnP mode not DHCP mode. Page15)

. IP address : 10.0.0.3

Configuration is changed to default if key 12 is pressed.

. mode : STATIC

. IP address : 10.0.0.3

IP Phone – ITP-5112L

- 3. Network Setup → 7. IP AOM Setup

Network Setup
1. Manual IP
2. DHCP
3. PPPoE
4. VLAN Setup
5. TOS
6. 802.1X
7. IP AOM Setup

- Select "7. IP AOM Setup" IP Phone sends AOM_ALIVE_REQ and waits for response.
- After response IP Phone sends configured values. (Display of error message when no response)

- Input correct value at each step.
- Do not need IP, Subnet and Gateway when using DHCP mode.

IP AOM Setup
1. Manual IP
2. DHCP

IP AOM Setup – Manual IP
IP
192.168.0.99

IP AOM Setup - Subnet
Subnet 255.255.255.0

IP AOM Setup - Gateway
Gateway 192.168.0.1

IP AOM Setup - Server IP
Server IP Address 192.168.0.2

IP AOM Setup - ID
Phone ID 1001

IP AOM Setup - Password
Password ****

→ Do not need Phone ID and Password on SCM. They are for OfficeServ.

```
IP AOM Setup - Port(IAP Only)

Port Number
00000041
```

→ Port number is 8 hexa code just for SCM. (any number for OfficeServ)

- After completion, IP phone sends configured value to IP AOM.

```
IP AOM Setup - Ready



Press Enter to Send Info !!
```

- When completion (AOM_INFO_SET_OK receive), IP AOM reboots and tries to apply settings.

```
Setup Success !!!



Press Enter to Return !!
```

- When no response, IP phone shows error message bellow.

```
AOM No Answer !!!



Press Enter to Return !!
```

```
AOM Setup Fail !!!
```

```
Press Enter to Return !!
```

Using Web management page (HTTP)

IP AOM

- Connect to Web management page of IP AOM (default IP is 10.0.0.3) to set network.
- If IP AOM is working it can be connected to current IP address.

Screen for connect to HTTP

- http://10.0.0.3:8080 (port number is 8080)
- Initial ID : admin, password : samsung
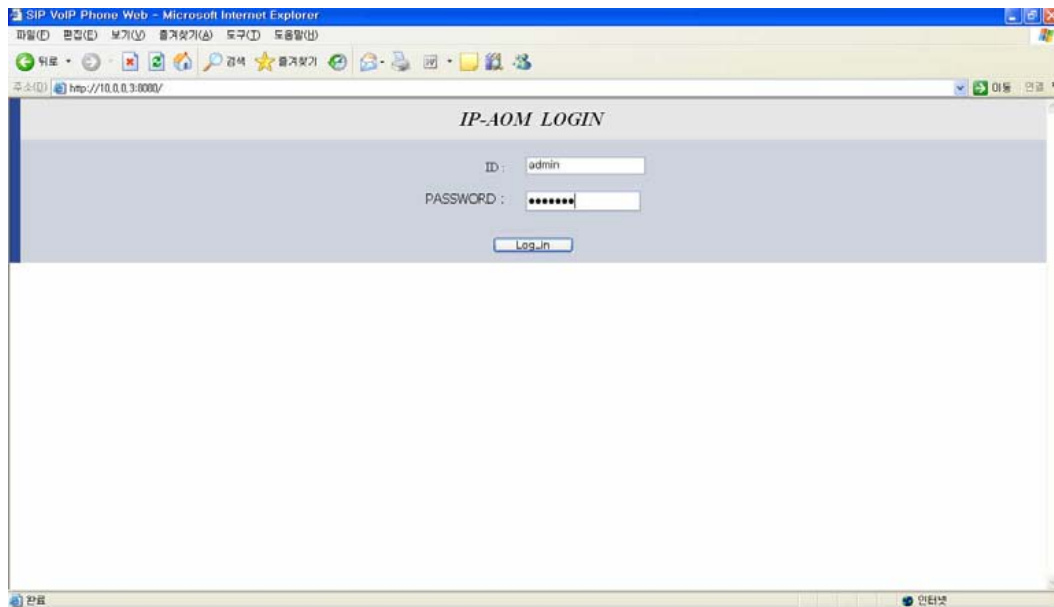
- Reboot after changing the value to need.
→ IP AOM IP Address, Subnet Mask, Default Gateway
→ Server IP Address, ID / Password
→ VLAN, 802.1x
→ Image Upgrade

IP-AOM NETWORK CONFIGURATION

SYSTEM INFORMATION	Server IP Address	192.168.50.77	
	ID / Password	ID : PORT : 00000041 Password : ●●●●	
NETWORK	MAC Address	00-16-32-c5-7b-84	
	Connection Mode	⊙ Static IP ○ DHCP	
	IP Address	192.168.50.10	
	Subnet Mask	255.255.255.0	
	Default Gateway	192.168.50.1	
VLAN	LAN	Use	Not Use ▼
		ID / Priority	ID [2 ~ 4094] : 2 Priority : 7 ▼
	PC	Use	Not Use ▼
		ID / Priority	ID [2 ~ 4094] : 1 Priority : 4 ▼
802.1x	Use	Not Use ▼	
	ID / Password	ID : 0 Password : ●	
UPGRADE	S/W Version	V01.02(0806101200)	
	Server IP	192.168.50.20	
	Start	Upgrade Start	
REBOOT	ReStart	ReStart	

SAVE

Auto registration using PnP(Plug and Play)

IP AOM provides PnP. This makes IP AOM register to PBX system automatically without additional setting. This uses DHCP mode. Therefore do not need IP, netmask, gateway settings. (Now, it is for only OfficeServ7200/7400)
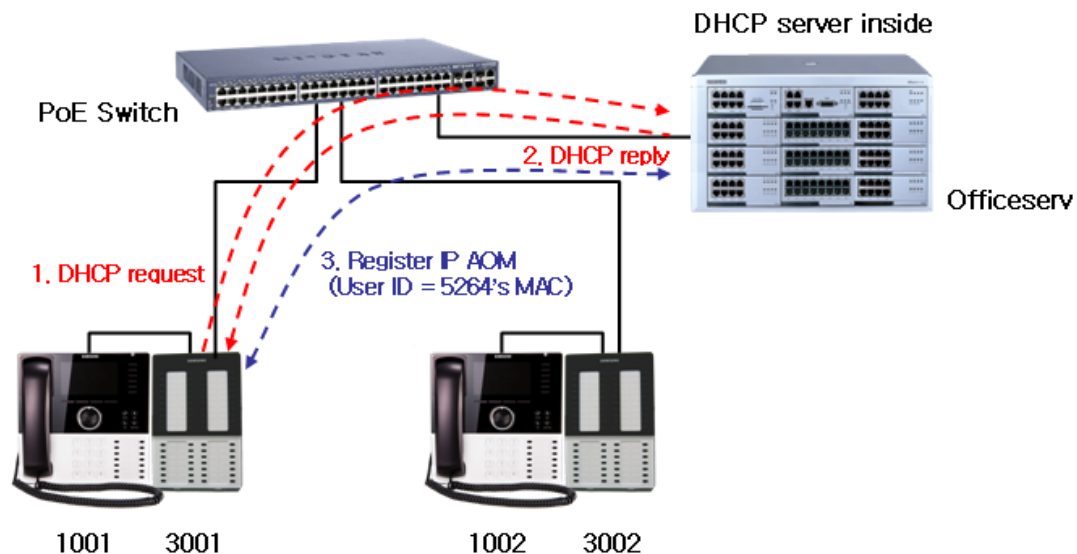
Network environment and DHCP server config.

- It must be follow below setting to operate properly.
- Use below DHCP options to prevent to get IP address from other DHCP server.

 ※ DHCP Server config. (DHCP server option config. option config is different for every DHCP server.)
 → DHCP_Server_Name(66): "SEC_ITP"
 → DHCP_Server_IP(128): OfficeServ IP

Dynamic Setup List(pre-setting by MMC)

Num	MAC Address(User ID)
3001	001632C57B84
3002	001632C53729

DHCP server inside

PoE Switch

2. DHCP reply

Officeserv

1. DHCP request

3. Register IP AOM
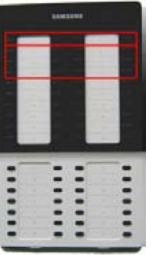(User ID = 5264's MAC)

1001   3001   1002   3002

System MMC Settings

- Pre-setting IP AOMs MAC address for user ID on MMC840.
  (A~F are capitalized for MAC address)

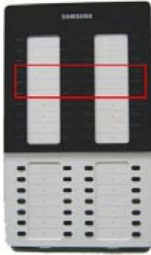|	
[3001]USER ID 001632C57B84	[3002]USER ID 001632C53729

- After completion make IP AOM factory reset.

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Error check using LED status

AOM	LED status	Description	Measures & Check items
	LED1 ~ LED4 are blink	No response against trying to register to system.	- check system is alive - check network information of terminal and system
	One of LED5 ~ LED16 is blink. (LED1 ~ LED4 are blink at the same time)	Error response from system (different LED is blink depends on error cause)	- check user ID & password
	LED37 ~ LED40 are On	Disconnected to LAN port.	- check LAN port or cable
	LED49 ~ LED52 are On	AOM could not get IP address from DHCP server at DHCP mode	- check DHCP server
	LED61 ~ LED64 are blink	IP conflict	- check AOM's IP address or other IP devices nearby.

LED status during S/W upgrade

AOM	LED status	Description	Measures & Check items
	LED1 ~ LED12 are on sequent.	Downloading image from TFTP server and write it on flash memory.	
	LED13 ~ LED24 are on	Complete to write image.	
	LED13 ~ LED24 are blink.	Fail to upgrade s/w.	- check TFTP server settings - check connecting LAN port or cable - retrying after reboot

ANNEX

Specification

Item		Description
Model Name		SMT-i5264
Weight(kg)		0.59
Size(mm)		137(W) × 225(D) × 108(H)
Power	Input Voltage	AC 100V~240 V/50Hz~60 Hz ; 0.5 A
	Output Voltage	DC 5 V ; 3 A
Adaptor		Ten Pao Co. PN:S018EU0500300
POE Input Voltage		DC 48V ; 0.2A
POE Spec.		IEEE 802.3af standard (CLASS 3)
Temperature(℃)		0~45
Humidity(%)		10~90
Number of Buttons		64

Removal of Stand

Wedge 각도 30°

양손으로 PUSH 부분을 가볍게 누른다

Wedge와 Base를 분리한후 별도 장소에 보관한다.

받침대의 각도 70 도일 경우에도 동일한 방법으로 분리합니다.

IP AOM Ports

The rear side of the IP AOM

port	Function
DC 5 V	DC Jack to power adaptor
☎	RJ–45 to IP Phone
LAN	RJ–45 to Switch

Connection with IP Phone

The front side

The rear side
– Connect UTP cable between ☎ port and LAN port of the IP Phone.

Connection with Switch

– Connect UTP cable between LAN port and a port of the Switch

– The display when equipped with stands