IP Attendant Console Solution





AddPac Technology

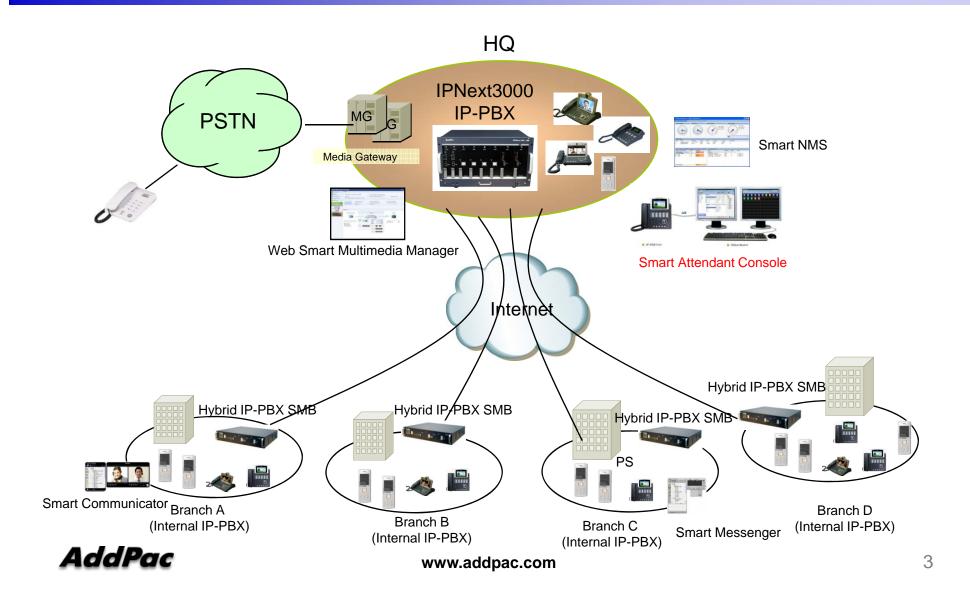
Sales and Marketing

Contents

- IP Telephony Service Diagram
- Dual Redundancy IP-PBX Products (example)
- IP Telephony Hardware Terminals
- IP Attendant Console Software Solution
 - Smart Attendant Console
 - Smart Office Console
- Application Note (Korea Express Train : KTX)
 - Touch Screen based Attendant Console



IP Telephony Service Diagram



IPNext IP-PBX Comparison Table

Model		IPNext5000	IPNext3000	IPNext2000	IPNext600
Service Features					
Registration User Number		5000	3000	2000	500
Concurrent Call User Number		1000	800	500	100
IPv4/IPv6 Dus Stack Suppor		Support	Support	Support	Support
VoIP	Internal	SIP	SIP	SIP	SIP
Signaling	External	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP
Powerful IVR, UMS, Media Service, User Presence Service		Support	Support	Support	Support
RTP Proxy Service (IPv6, Private IP)		Support	Support	Support	Support
LAN Port		2	2	2	2
System Duplication		Support(built-in)	Support(built-in)	Support(built-in)	Support(Built-In)
Power Supply		Dual Redundancy Power(Module Type)	Dual Redundancy Power(Module Type)	Dual Redundancy Power(Module Type)	Dual Redundancy Power(Module Type)

IP Video Phones for AddPac IP-PBX



IP Video Phones for AddPac IP-PBX

	AP-VP500	AP-VP350	AP-VP300N	AP-VP280	AP-VP250	AP-VP230	AP-VP150	AP-VP120
								A THE STATE OF THE
LCD Size	12.1 Inch Touch Screen	7Inch Touch Screen	7Inch Touch Screen	7Inch Touch Screen	4.3Inch Touch Screen	5Inch Touch Screen	4.3Inch Touch Screen	4.3Inch
Camera	CCD	CCD	CCD	CMOS	CMOS	CMOS	CCD	CMOS
Video Codec	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264
Signaling	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP
Video MCU	N/A	4-Party Video MCU	N/A	N/A	N/A	N/A	N/A	N/A
Voice MCU	3-Party	3-Party	3-Party	3-Party	3-Party	3-Party	3-Party	3-Party
LAN Port	2	2	2	2	2	2	2	2
PoE	N/A	N/A	Support	Support	Support	Support	Support	Support

IP Phones for AddPac IP-PBX



IP Phones for AddPac IP-PBX

	AP-IP300	AP-IP250	AP-IP230	AP-IP160	AP-IP120	AP-IP90
LCD Size	4.3 Inch Color LCD	4.3 Inch Color LCD	5 Inch Color LCD	4 Text Line Graphic LCD	4 Text Line Graphic LCD	4 Text Line Graphic LCD
Touch Screen	N/A	Support	Support	N/A	N/A	N/A
Speed-Dial Keys	25 Key with Presence LED	Touch Screen based 25 Keys	Touch Screen based 25 Keys	16 Key with Presence LED	12 Key with Presence LED	N/A
Voice Codec	G.711/G.726/ G.729/G.723	G.711/G.726/ G.729/G.723	G.711/G.726/ G.729/G.723	G.711/G.726/ G.729/G.723	G.711/G.726/ G.729/G.723	G.711/G.726/ G.729/G.723
Signaling	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP
3-Party Conversation	Support	Support	Support	Support	Support	Support
LAN Port	2	2	2	2	2	2
PoE(Option)	Support	Support	Support	Support	Support	Support
FXO(Option)	Support	Support	Support	Support	Support	Support



IP Extend Key Pack for AddPac IP-PBX



IP Extend Key Pack Comparison Table

Model	AP-PT100	AP-PT50	AP-PT20
Service Features			
Key Type	7 inch LCD Touch Screen	Push Button with User Presence Indication	Push Button with User Presence Indication
		LAMP	LAMP
Key Number	Default : 9(row) x 4(column) = 36	60 Key	40 Key
User Presence Indication	Support	LED on, LED off, LED Blink	LED on, LED off, LED Blink
Multiple Cascading	Support	Support	Support
Speaker	Support	Support	Support
LAN Port	2	2	2
PoE(Option)	Support	Support	Support
Application	IP Phone or Video Phone Extend Key Pack	IP Phone or Video Phone Extend Key Pack	IP Phone or Video Phone Extend Key Pack



IP Wifi Phone

AP-WP100 IP Wifi Phone

- Wi-Fi IP Phone Solution
- Various Call Scenario Support (IP-PBX)
- State-of-art SIP Signaling
- IEEE802.11b/g up to 54Mbps
- WPA(Wifi Protected Access), 802.11i Security Standard
- Wi-Fi IP Audio Broadcasting Terminal Solution
- External Audio In/Out Port for Headset
- Firmware Upgradeable Architecture
- VoIP Solution with Outstanding Network Service Capability
- Audio Privacy Protection





IP Attendant Console Software Solution

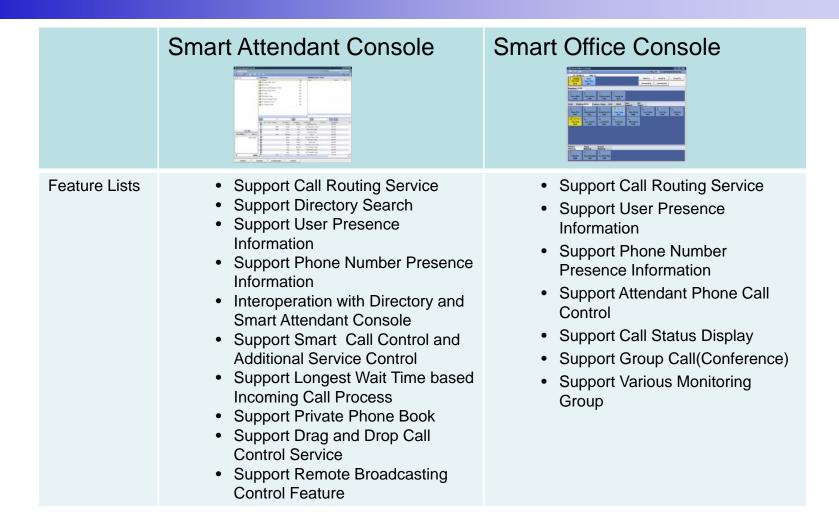


IP Attendant Console Product Lists

Table	Smart Attendant Console	Attendant Console Software for Large Company
The state of the s	Smart Office Console	Attendant Console Software for Secretary (Option : Touch Screen)

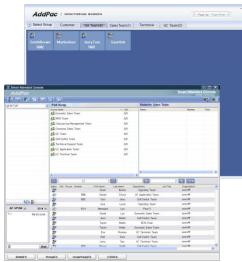


IP Attendant Console Feature Comparison





Smart Attendant Console (version 1.0)





Contents

- Overview
- Smart Attendant Console Structure
- Smart Attendant Console System Diagram
- Smart Attendant Console System Configuration
- Smart Attendant Console Automatic Call Distribution
- Smart Attendant Console Feature
- Smart Attendant Console UI
 - Main Screen Feature
 - Monitoring Screen and Feature
 - Broadcasting Screen and Feature
 - Fire Alerting Screen And Feature

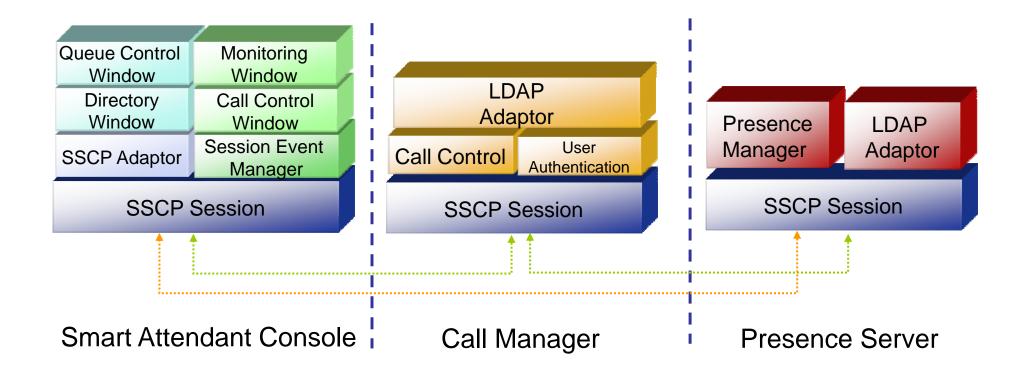


Overview

Support Efficiently Call Routing and Smart Presence Service

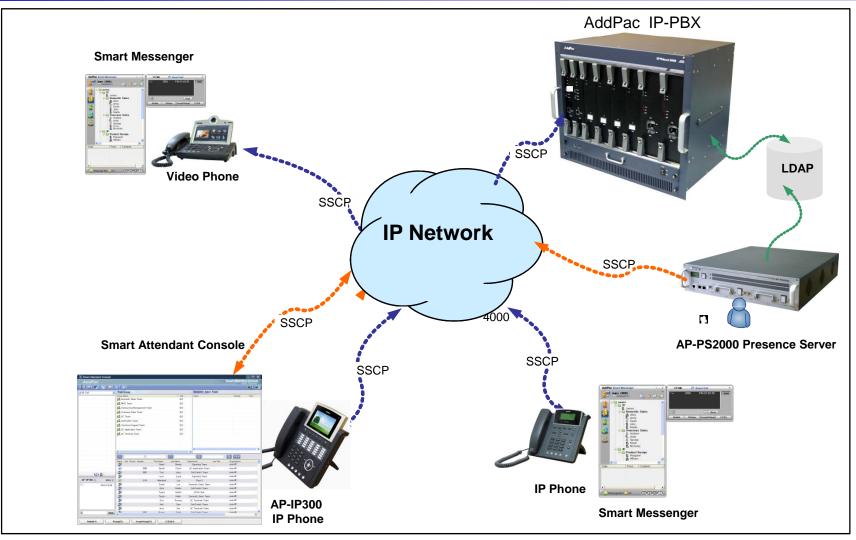
- Smart Attendant Console Function
 - Support Call Routing Service
 - Support Directory Search
 - Support User Presence Information
 - Support Phone Number Presence Information
 - Interoperation with Directory and Smart Attendant Console
 - Support Smart Call Control and Additional Service Control
 - Support Longest Wait Time based Incoming Call Process
 - Support Private Phone Book
 - Support Drag and Drop Call Control Service
 - Support Remote Broadcasting Control Feature

Smart Attendant Console Structure





Smart Attendant Console System Diagram





Smart Attendant Console System Configuration



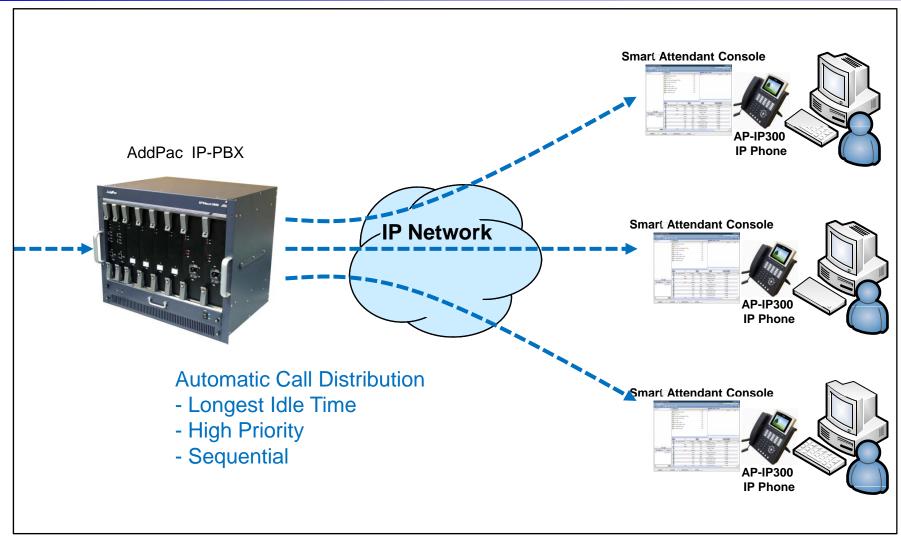


Single Monitor Mode

Dual Monitor Mode



Smart Attendant Console Automatic Call Distribution





Smart Attendant Console Feature

- Smart Login Service
 - User Login and Logout Feature
- Automatic Call Distribution Feature
 - No Call Distribution Mode
 - An Available Attendant Manually Answer a Call in the Queue
 - Longest Idle Time Mode
 - Call Manager Automatically Send a Call to Longest Idle Attendant
 - Preference Mode
 - Call Manager Automatically Send a Call to High Priority Attendant
 - Sequential Mode
 - Call Manager Automatically Send a Call to an Attendant Sequentially



- Queue Call Control Feature
 - Wait Time Based Call Answer
 - Longest Wait Call Answer
 - Show Incoming Call by Call Type
 - Internal Call Show
 - External Call Show
 - Show All Call
 - Display Call Status Icon for Waiting Time
 - Call Busy, Call Wait Alerting, Call Wait Warning
 - User Configure the Wait Status Time



- Additional Call Service
 - Park Group Monitoring
 - Show Park Group Call Status for All Park Group
 - Show Detail Park Group Call List for Specify Park Group
 - Call Group Park, Park Group Call Pickup
 - Display Call Status Icon for Waiting Time
 - Call Busy, Call Wait Alerting, Call Wait Warning
 - User Configure the Wait Status Time



Additional Call Service

- Phone Book Feature
 - Group Create, Modify, Delete
 - Contact Add, Delete, Modify
 - Common Feature
 - Dial
 - View Detail Contact Information
 - Send e-mail
 - Dial, Send e-mail Using Phone Book
 - Private Contacts Managing Feature
 - Detail Contact Information View
- Support Emergency / Night Mode (ToDo)
 - Configure Emergency Voice Content and Enable/Disable Emergency Mode
 - Enable/Disable Night Mode



- Directory Search Service
 - User Search Feature
 - Various Search Options
 - First Name, Last Name, Department, Phone Number
 - Search User Presence Status View
 - PC Online, Phone Online, PC-Phone Online
 - Working, Away, Absence
 - Be In Conference, Call Busy
 - Interoperate with Directory Search User Information
 - Double Click Call Dial and Manual Call Dial
 - Drag and Drop Call Transfer and Manual Call Transfer
 - Dynamic Conference



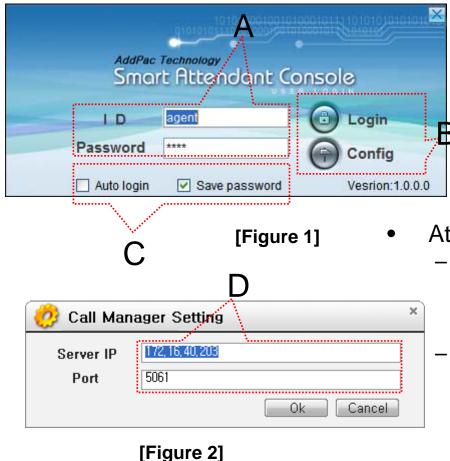
- Monitoring Presence Service
 - Support Monitoring Group
 - Add, Modify, Delete Monitoring Group and User
 - Add Group from Public Contacts
 - Phone Presence Status
 - Online, Working, Away, Absence
 - Be In Conference, Call Busy
 - Display Call Information
 - Caller Name, Phone Number
 - Phone Type (Phone, Mobile), Call Type (In/Out-Bound Call)
 - Display Call Status Icon for Waiting Time
 - Call Idle, Call Busy, Call Wait Alerting, Call Wait Warning
 - User Configure the Wait Status Time



- Broadcasting Service
 - Support Broadcasting Control Feature
 - Easy to Start/Stop Broadcasting
 - Show Broadcasting Group Status
 - Set Broadcasting Volume
 - Support User Friendly Design
- Fire Alerting Service
 - Automatic Fire Alerting Broadcasting
 - Show Fire Alerting Status



Smart Attendant Console Login

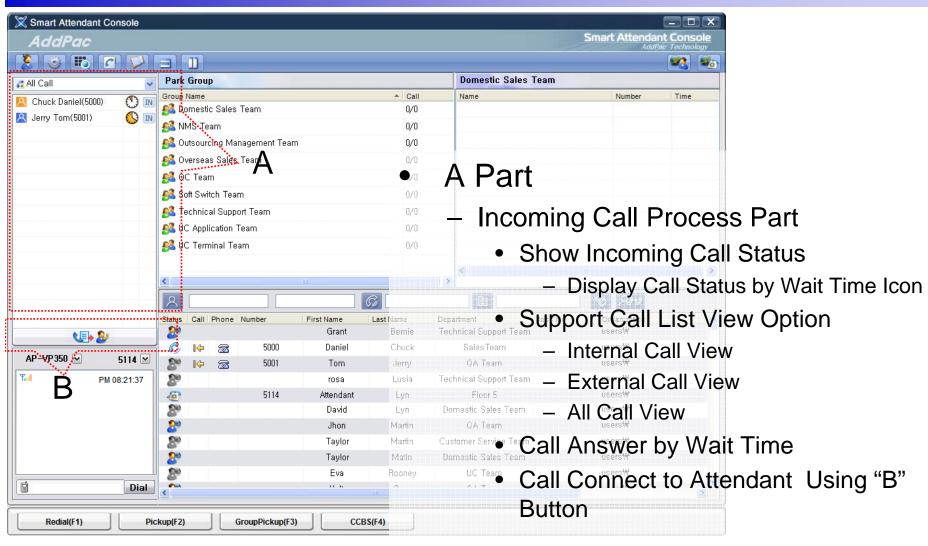




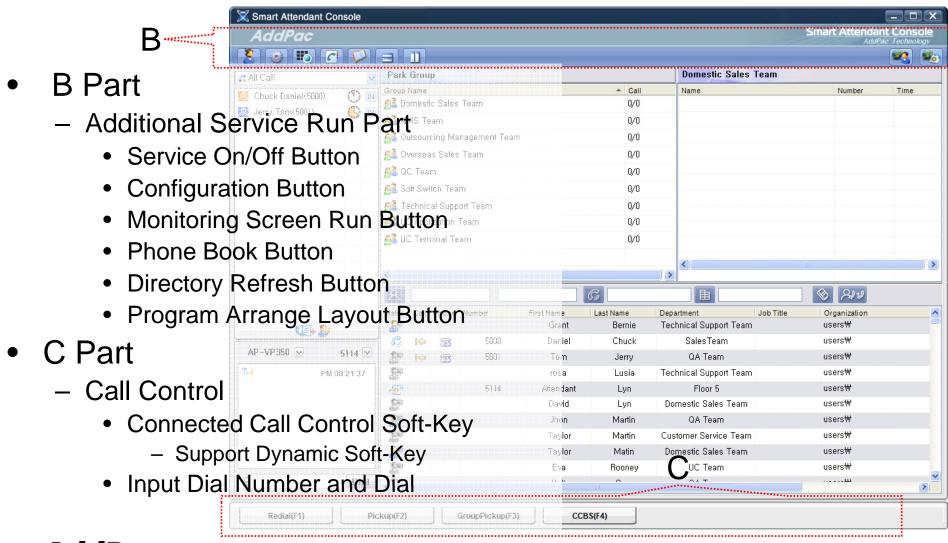
[Figure 3]

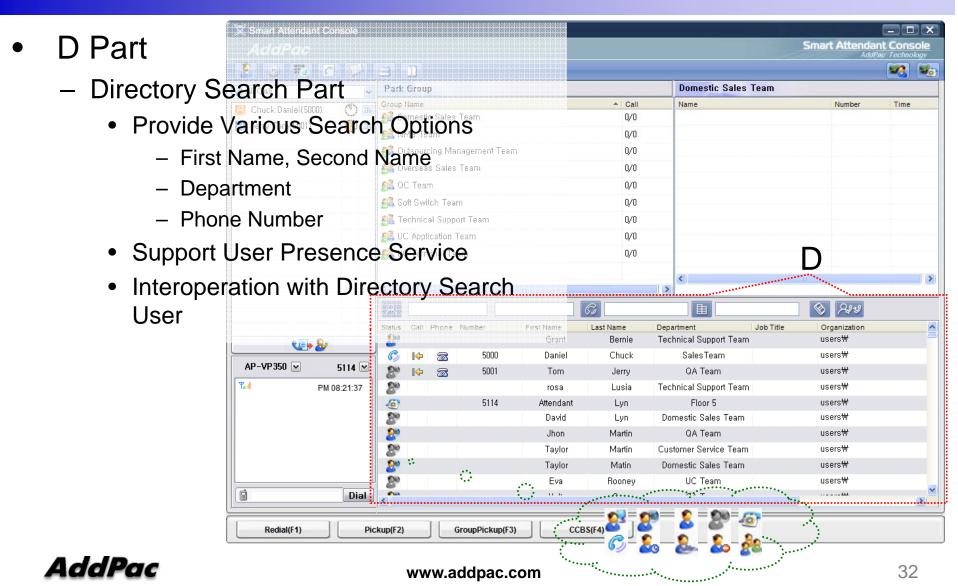
- Attendant Console Login
- [Figure 1] shows the login picture of smart attendant Console program. "E" of [Figure3] is ICON of Smart Attendant Console Program.
- When program is started initially, user should set the network configuration parameter such as IP address, Port number of Presence Server.[Figure2]
- After inputting ID and Password, press the login button

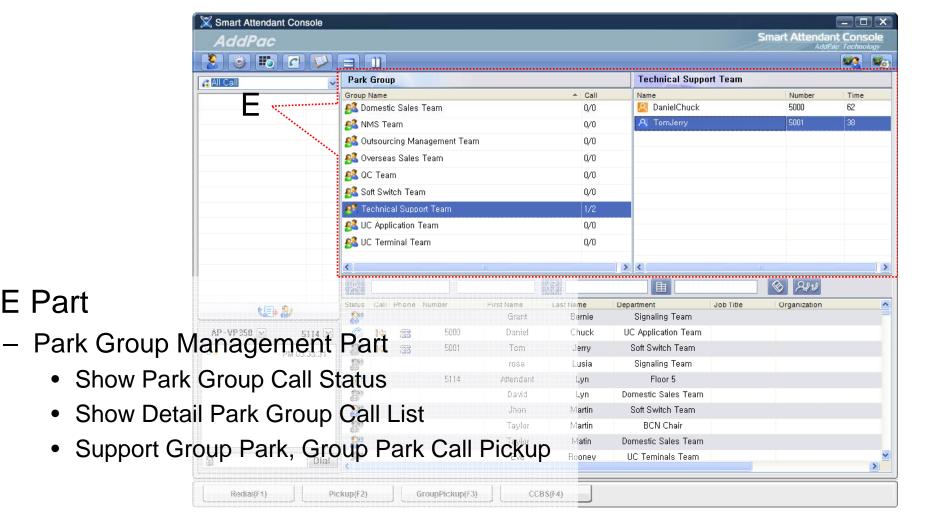








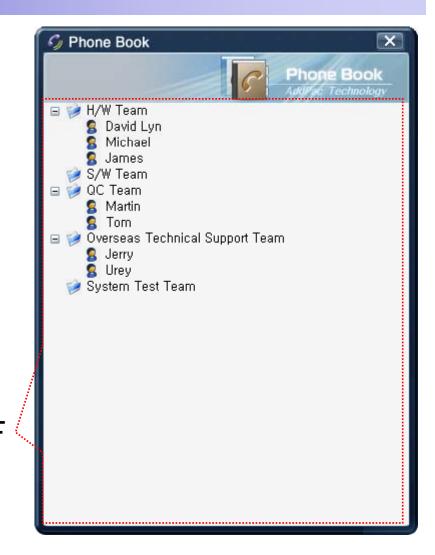






E Part

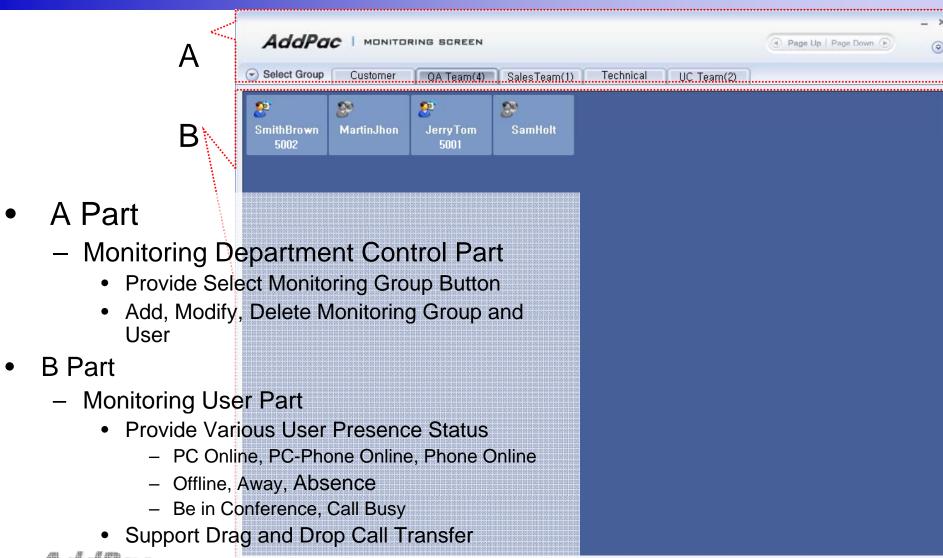
- F Part
 - Phone Book Management Part
 - Group Create, Modify, Delete
 - Contact Add, Delete, Modify
 - Common Feature
 - Dial
 - View Detail Contact Information
 - Send e-mail
 - Dial, Send e-mail Using Phone Book
 - Private Contacts Managing Feature
 - Detail Contact Information View





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Smart Attendant Console Monitoring Screen Feature



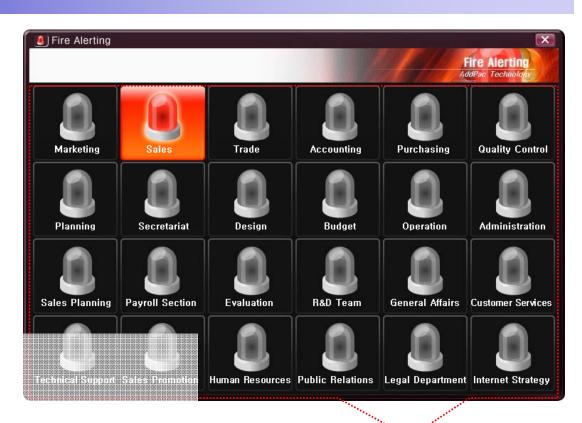
Smart Attendant Console Broadcasting Screen Feature



- A Part
 - Broadcasting Status Part
 - Show Group Broadcasting Status
 - Broadcasting, Idle, Other Service
- B Part
 - Broadcasting Control Part
 - Broadcasting Start/Stop Button
 - Chime Bell Play Button
 - Volume Control Button



Smart Attendant Console Fire Alerting Screen Feature



- A Part
 - Fire Alerting Part
 - Automatic Fire Alerting Broadcasting
 - Show Fire Alerting Status



Smart Office Console (Version 1.1)



Contents

- Overview
- Smart Office Console System Diagram
- Smart Office Console Feature
- Smart Office Console UI
 - Login Feature
 - Main Screen Feature



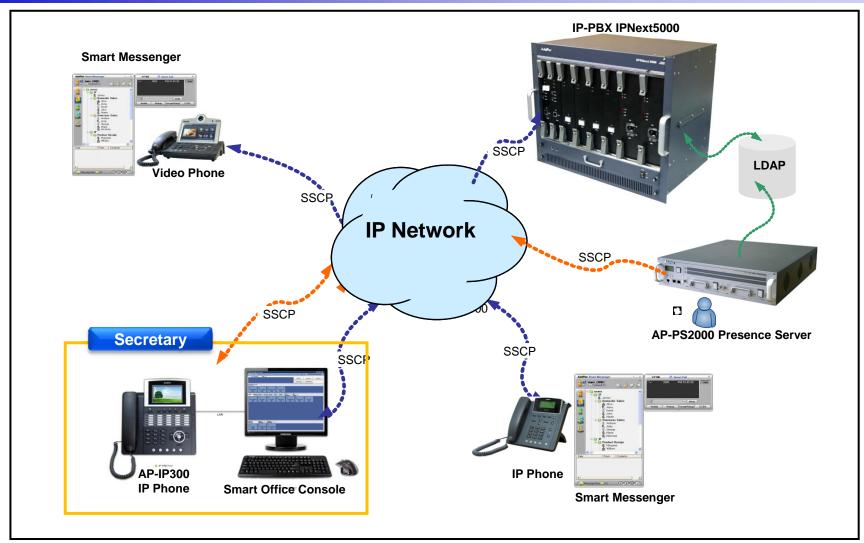
Overview

Support Efficiently Call Routing and Smart Presence Service

- Smart Office Console Function
 - Support Call Routing Service
 - Support User Presence Information
 - Support Phone Presence Information
 - Support Attendant Phone Call Control
 - Support Call Status Display
 - Support Group Call(Conference)
 - Support Various Monitoring Group

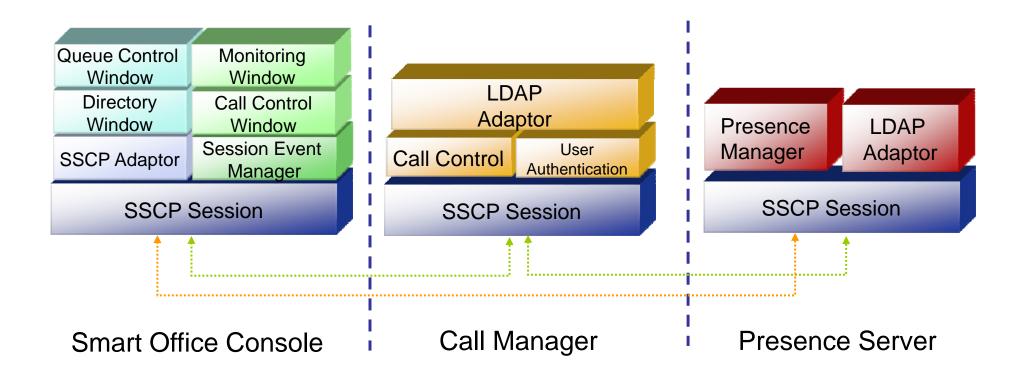


Smart Office Console System Diagram





Smart Office Console Structure





Smart Office Console Feature

- User Login Service
 - User Login and Logout Feature
- Monitoring and Group Management Service
 - Support Various Group
 - Attendant and Direct Phone Group
 - Office Phone Group
 - Conference Group
 - Support Group Management Feature
 - Add Group, Rename Group, Delete Group
 - Add User, Delete User
 - Add Conference Room, Delete Conference Room



Smart Office Console Feature

- Monitoring and Group Management Service
 - Presence Feature
 - Phone Presence Status
 - Online, Working, Away, Absence, Be In Conference, Call Busy
 - User Presence Status
 - PC Online, Phone Online, PC-Phone Online
 - Working, Away, Absence, Be In Conference, Call Busy
 - Display Call Status
 - Display Talking Call Status Icon for Talking Time
 - Call Busy, Call Wait Alerting
 - User Configure the Talking Status Time
 - Call Control Feature
 - Interoperate with Monitoring Phone Information
 - Manual Call Dial
 - Drag and Drop Call Transfer and Manual Call Transfer

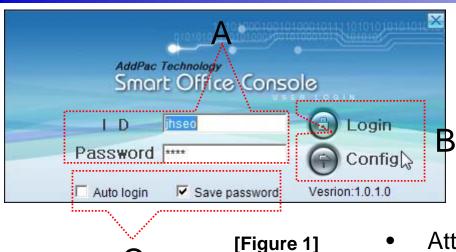


Smart Office Console Feature

- Attendant Phone Call Control Service
 - Display Phone Call Status
 - Display Call Status Icon for Call State
 - Display Talking Call Status Icon for Talking Time
 - Call Busy, Call Wait Alerting
 - User Configure the Talking Status Time
 - Support Multi-Call
 - Phone Call Control Feature
 - Dial to Monitoring Phone and Conference
 - Incoming Call Answer
 - Call Hold and UnHold
 - Call Transfer
 - Call Drop
 - Interoperate with Monitoring Phone Information
 - Drag and Drop Call Transfer and Manual Call Transfer www.addpac.com

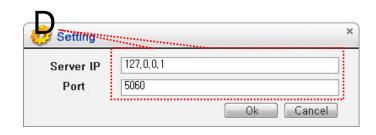


Smart Office Console Login





[Figure 3]

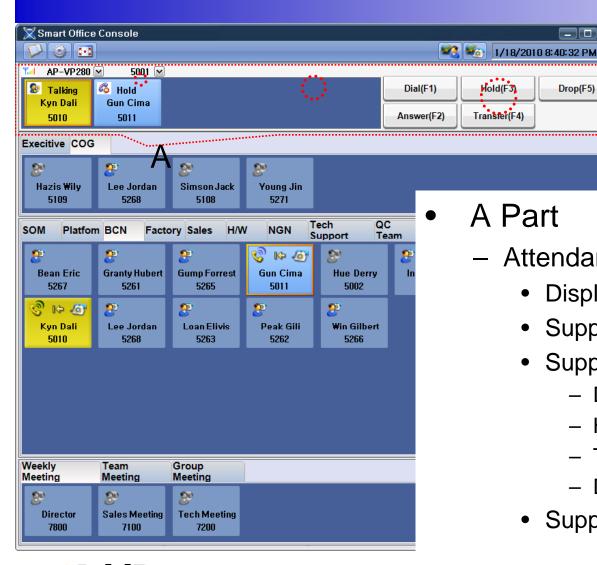


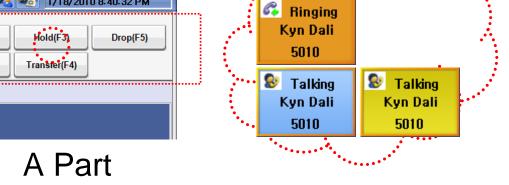
[Figure 2]

- Attendant Console Login
 - [Figure 1] shows the login picture of Smart Office Console program. "E" of [Figure3] is Icon of Smart Office Console Program.
 - When program is started initially, user should set the network configuration parameter such as IP address, Port number of Presence Server.[Figure2]
 - After inputting ID and Password, press the login button



Smart Office Console Main Screen - Call Control



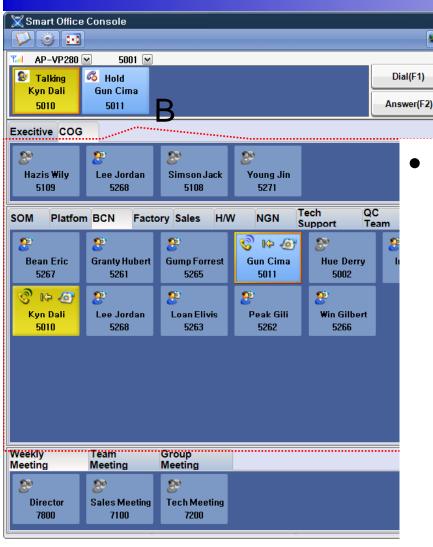


- Attendant Phone Call Control Part
 - Display Call Status

- Support Multi-Call Display
- Support Call Control Feature
 - Dial, Answer
 - Hold/UnHold
 - Transfer
 - Drop
- Support Short Key Call Control



Smart Office Console Main Screen – Monitoring





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Hold(F3)

Transfer(F4)

Monitoring Group Part

Drop(F5)

- Support Various Group
 - Attendant and Direct Phone Group
 - Office Phone Group
- Support Group Management Feature
 - Add Group, Rename Group, Delete Group

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Gun Cima

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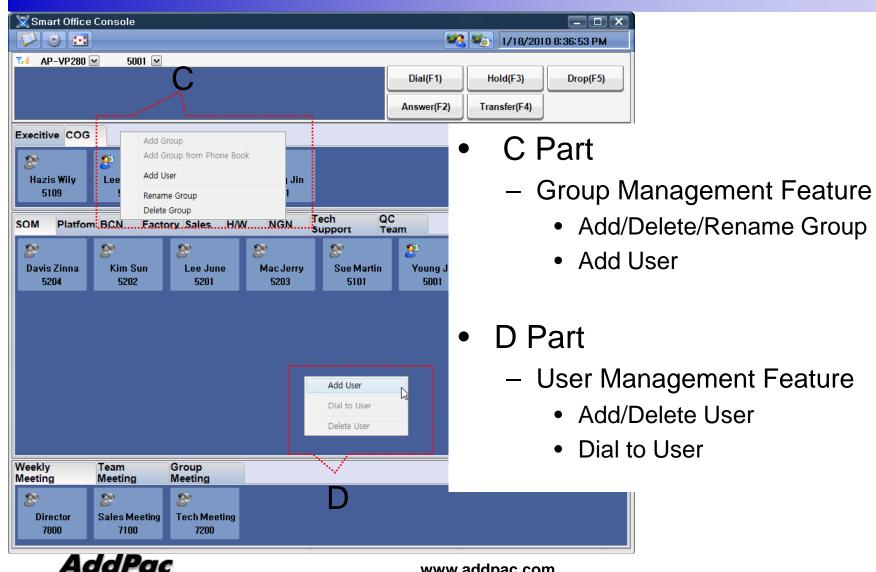
Gun Cima

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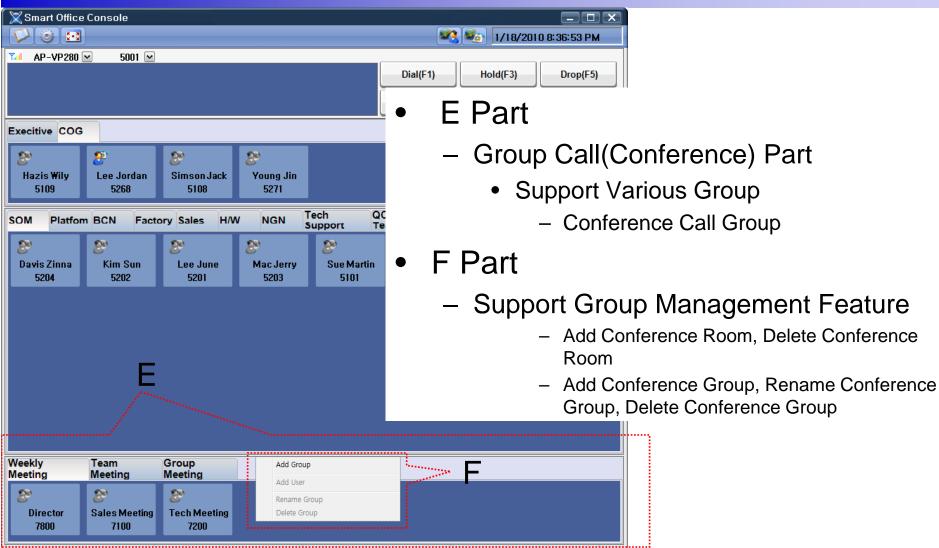
- Add User, Delete User
- Provide Various User Presence Status
 - » PC Online, PC-Phone Online, Phone Online
 - » Offline, Away, Absence
 - » Be in Conference, Call Busy
- Display Call Status



Smart Office Console Main Screen – Monitoring Group



Smart Office Console Main Screen – Group Call



Application Note (Korea Express Train: KTX)



Touch Screen based Attendant Console (version 1.1)



Contents

- Overview
- Touch Screen based Attendant Console System Diagram
- Touch Screen based Attendant Console Feature
- Touch Screen based Attendant Console UI
 - Login Feature
 - Main Screen Feature



Overview

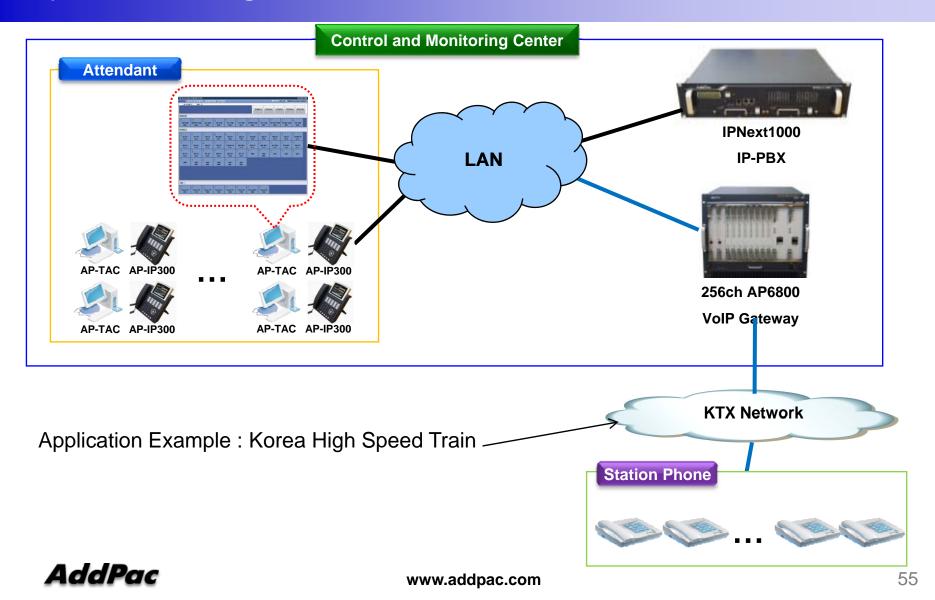
Support Efficiently Call Routing and Smart Presence Service

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- Touch Screen based Attendant Console Function
 - Support Call Routing Service
 - Support User Presence Information
 - Support Phone Number Presence Information
 - Support Attendant Phone Call Control
 - Support Call Status Display
 - Support Group Call(Conference)
 - Support Various Monitoring Group



Touch Screen based Attendant Console System Diagram



Touch Screen based Attendant Console Feature

- User Login Service
 - User Login and Logout Feature
- Monitoring and Group Management Service
 - Support Various Group
 - Attendant and Direct Phone Group
 - Office Phone Group
 - Conference Call Group
 - Support Group Management Feature
 - Add Group, Rename Group, Delete Group
 - Add User, Delete User
 - Add Conference Room, Delete Conference Room



Touch Screen based Attendant Console Feature

- Monitoring and Group Management Service
 - Presence Feature
 - Phone Presence Status
 - Online, Working, Away, Absence
 - Be In Conference, Call Busy
 - User Presence Status
 - PC Online, Phone Online, PC-Phone Online
 - Working, Away, Absence
 - Be In Conference, Call Busy
 - Display Call Status
 - Display Call Status Icon for Talking Time
 - Call Control Feature
 - Interoperate with Monitoring Phone Information
 - Manual Call Dial
 - Drag and Drop Call Transfer and Manual Call Transfer

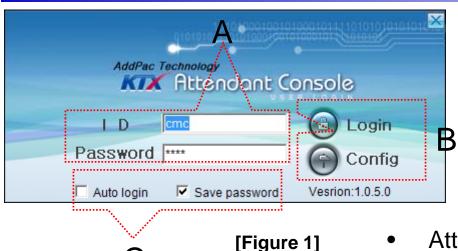


Touch Screen based Attendant Console Feature

- Attendant Phone Call Control Service
 - Display Phone Call Status
 - Display Call Status Icon for Call Stat
 - Display Talking Call Status Icon for Talking Time
 - Support Multi-Call
 - Phone Call Control Feature
 - Dial to Monitoring Phone and Conference
 - Incoming Call Answer
 - Active Call Hold and UnHold
 - Call Transfer
 - Call Disconnect
 - Interoperate with Monitoring Phone Information
 - Drag and Drop Call Transfer and Manual Call Transfer

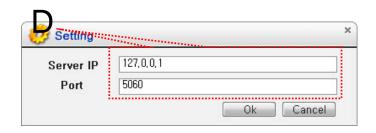


Touch Screen based Attendant Console User Login





[Figure 3]



[Figure 2]

- Attendant Console Login
 - [Figure 1] shows the login picture of KTX
 Attendant Console program. "E" of [Figure3] is
 lcon of KTX Attendant Console Program.
 - When program is started initially, user should set the network configuration parameter such as IP address, Port number of Presence Server.[Figure2]
 - After inputting ID and Password, press the login button



Touch Screen based Attendant Console Main Screen –Call Control



A Part

통신 관제

Answer

Hold(F3)

대구전력 관제

Attendant Phone Call Control Part

Ringing

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Talking

서울 IEC

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Talking

서울 IEC

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Display Call Status

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Drop(F5)

보선 관제

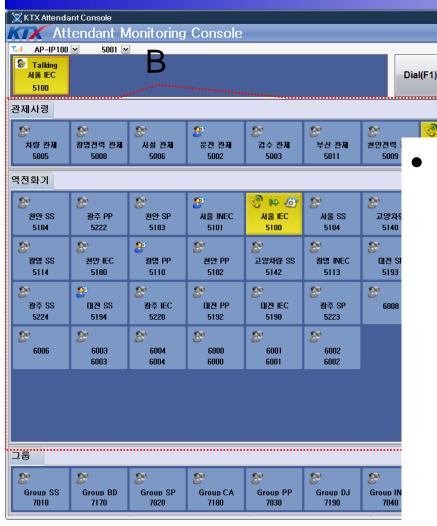
Transfer

기술지원 관제

- Support Multi-Call Display
- Support Call Control Feature
 - Dial, Answer
 - Hold/UnHold
 - Transfer
 - Drop
- Support Short Key Call Control



Touch Screen based Attendant Console Main Screen – Monitoring



B Part

® 16 78 00

Answer

Hold(F3)

Monitoring Group Part

Transfer

Support Various Group

Drop(F5)

- Attendant and Direct Phone Group
- Office Phone Group
- Support Group Management Feature
 - Add Group, Rename Group, Delete Group

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서울 IEC

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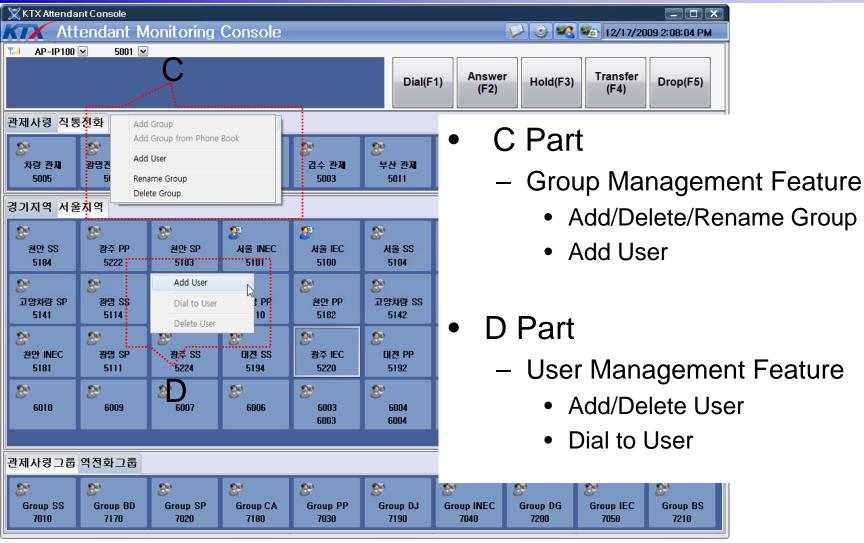
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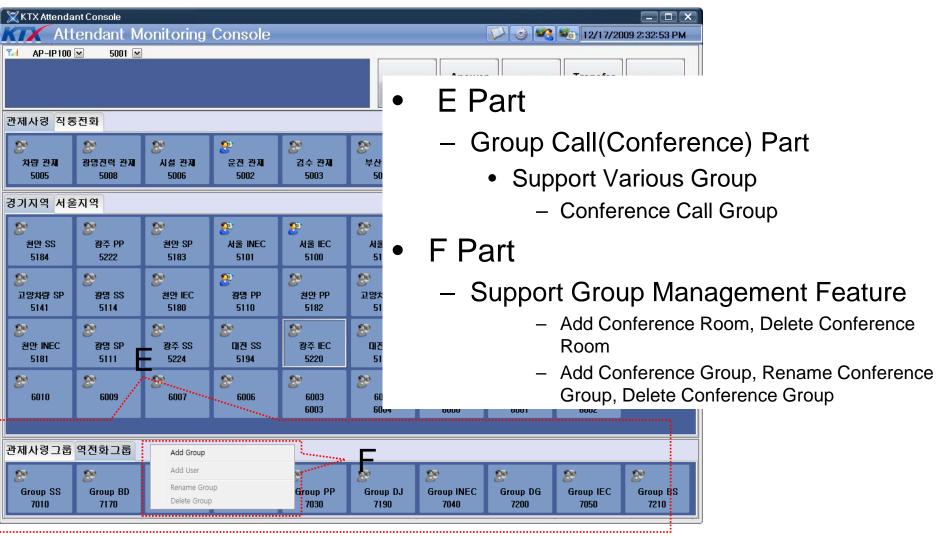
- Add User, Delete User
- Provide Various User Presence Status
 - » PC Online, PC-Phone Online, Phone Online
 - » Offline, Away, Absence
 - » Be in Conference, Call Busy
- Display Call Status



Touch Screen based Attendant Console Main Screen – Monitoring Group



Touch Screen based Attendant Console Main Screen – Group Call



Thank you!

AddPac Technology Co., Ltd. Sales and Marketing

Phone +82.2.568.3848 (KOREA) FAX +82.2.568.3847 (KOREA)

E-mail: sales@addpac.com

www.addpac.com

