



Samsung IP Telephony

2015. 07

Samsung Electronics

Contents

01

IPT Solution

02

Key Features

03

References

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IPT Solution

IPT Solution

Business IP Telephony Solution

PBX

IP



Enterprise



SMB

Hybrid



Mid



Small

Application



FMC Client

Phone

IP



Wireless

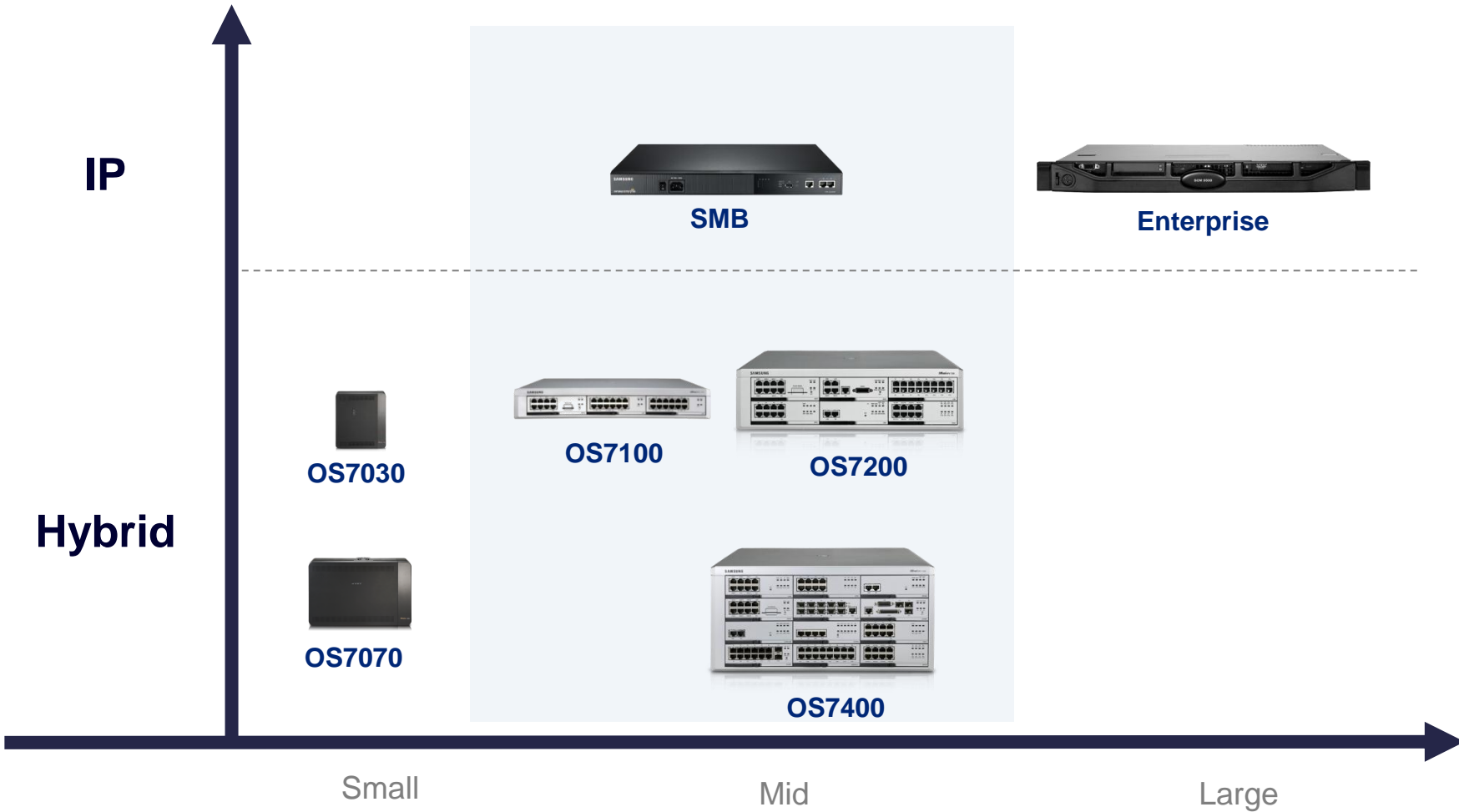


Wired

Digital



PBX Lineup



IP PBX - Enterprise

Pure IP-based Single Server Platform



- ▶ **High Availability Redundancy (Active-Active, Active-Standby)**
- ▶ **Embedded Application (Meet-Me Conference, UMS, etc.)**
- ▶ **Easy & Simple Management**
- ▶ **Max 3,000 Users / Scalability up to 60,000 Users**
- ▶ **Smart Routing turns 3G Call to Internal Call**

IP PBX - SMB

Optimized IP-PBX to the SMB Environment



- ▶ **Embedded Application (Meet-Me Conference, UMS, etc.)**
- ▶ **Up to 6 Expansion Cabinets for FXS Support**
- ▶ **Supports SBC Features (NAT/NAT Traversal)**
- ▶ **Power Redundancy (Optional)**
- ▶ **Smart Routing turns 3G Call to Internal Call**

Hybrid PBX - Mid

All In One Convergence System



- ▶ **Integrated Voice and Data Communication Platform**
- ▶ **Embedded Application (Meet Me Conference, UMS, etc.)**
- ▶ **Modular Configuration for TDM Lines**
- ▶ **Easy to Expand**

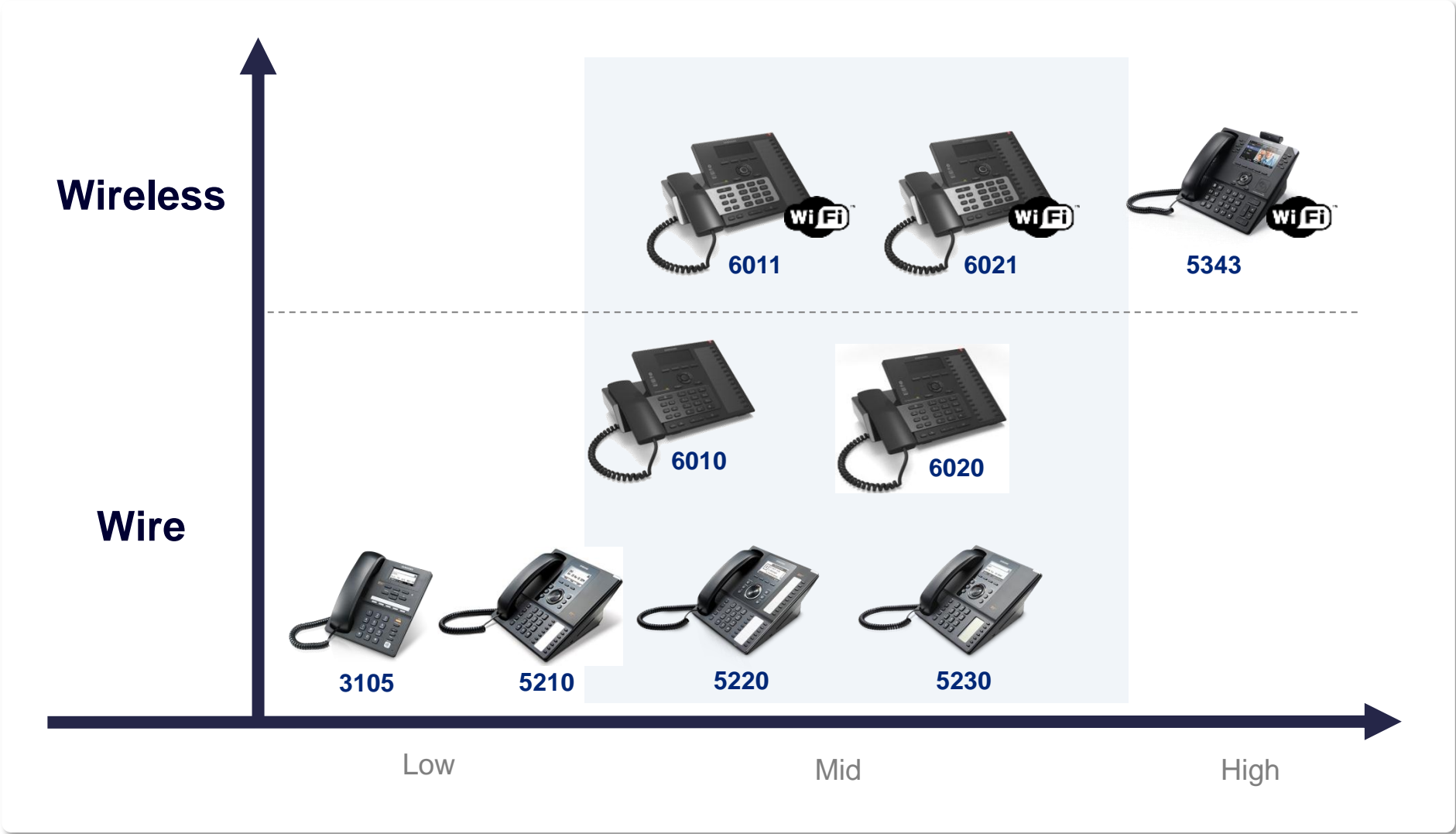
Hybrid PBX - Small

Cost Effective Solution for Small Office



- ▶ **Supports TDM and VoIP for below 50 Lines**
- ▶ **Embedded TDM-IP Conversion Resources**
- ▶ **Easy Installation (Wall Mountable)**
- ▶ **Aesthetic Design**

IP Phone Lineup



IP Phone - **Wireless**

High-End Wireless Desk Phone



SMT-i5343



SMT-i6021

- ▶ **Integrated WiFi & Bluetooth**
- ▶ **Full Duplex HD Speakerphone**
- ▶ **4.3" Color / 3.2" Mono LCD**
- ▶ **2 Gigabit Ethernet Ports**
- ▶ **Click to Dial using Smartphone App**

IP Phone - **Wired**

Practical & Convenient IP Phone



SMT-i5220



SMT-i5230

- ▶ **Robust Security (TLS, sRTP, 802.1x)**
- ▶ **Standard XML (Web,Text) Support**
- ▶ **3.2" Mono LCD**
- ▶ **PoE Support**

Digital Phone Lineup



Digital Phone

Flexible & Programmable Digital Phone



DS-5038

- ▶ Programmable Keys with Tri-Colored LEDs
- ▶ 48 Character Display (2x24)
- ▶ Built-in Speakerphone
- ▶ Wall Mountable



DS-5021

Application - FMC

Easy to Use FMC Client



- ▶ Integrated Dialer (Mobile/FMC)
- ▶ HD Voice
- ▶ Automatic Handover (WiFi ↔ 3G)
- ▶ Organization Chart View
- ▶ Premium CID

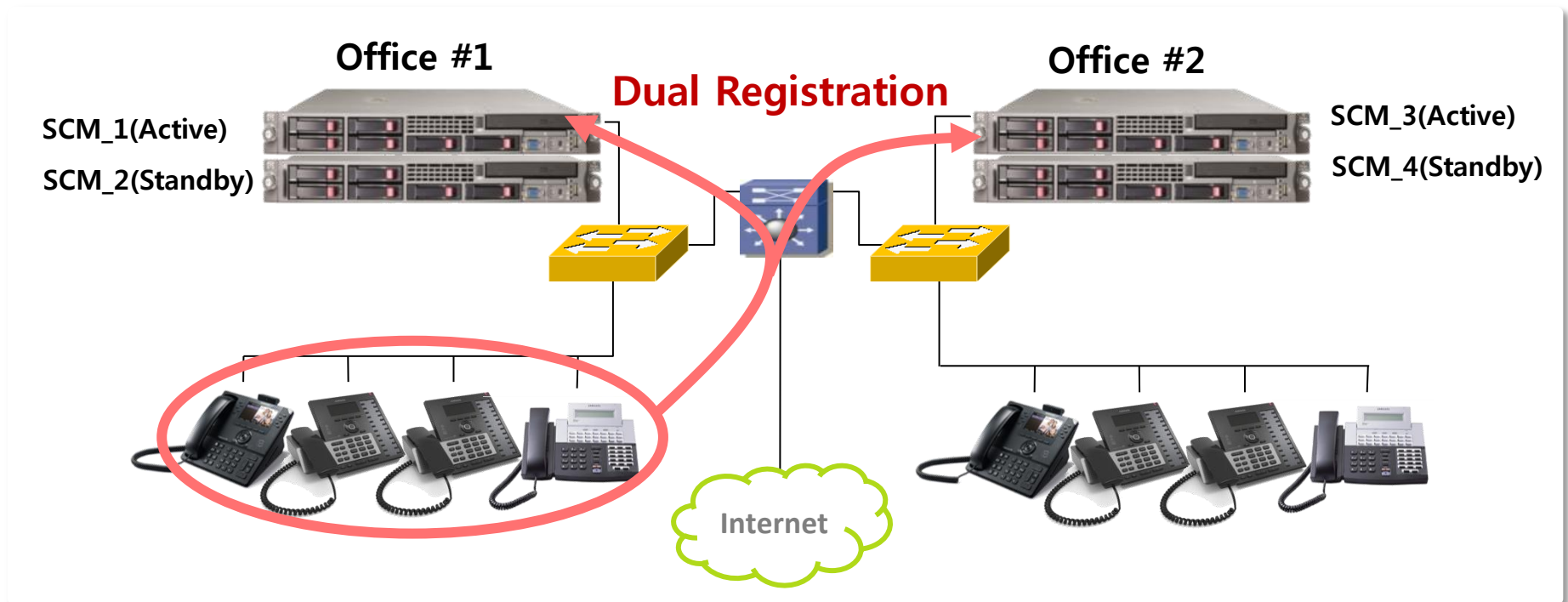
The background features a light blue gradient with several semi-transparent white geometric shapes in the corners. In the top-left, there are overlapping squares and rectangles. In the top-right, there is a square with a horizontal line extending to the right. In the bottom-right, there is a square with a horizontal line extending to the left.

Key Features

Key Features – High Availability

Ensure Continuity of Communication

- ▶ **Active-Active Geo-Redundancy System** allows the SCMs to backup each other in case of emergency such as Blackout

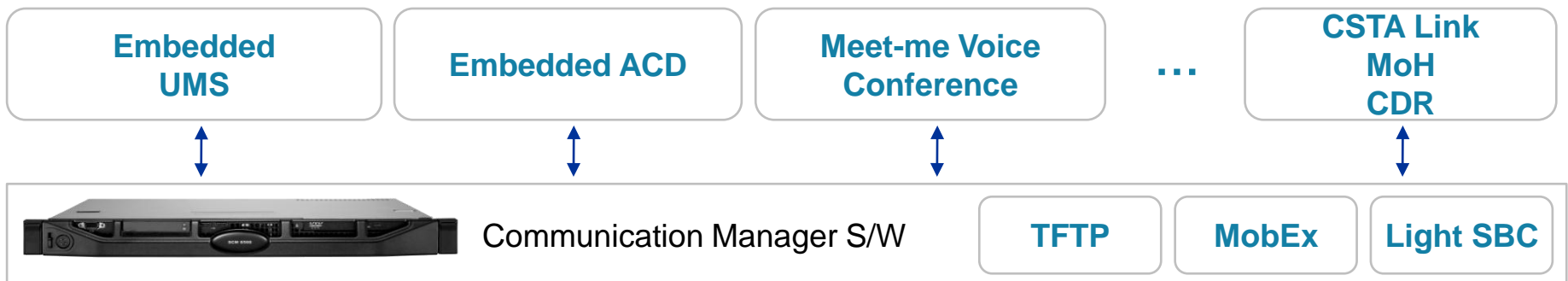


Key Features – Embedded Applications

Save Extra Hardware Cost

Applications	Services & Features
Meet-Me Conference	<ul style="list-style-type: none">64 conference channels availableUsers can access from the 'Personal web page'
UMS	<ul style="list-style-type: none">Voice Mail / Auto Attendant / Email G/W
ACD-Lite	<ul style="list-style-type: none">Queuing Control & Monitoring / Routing ControlAgent Status (Log In/Out) / Statistics for ACD group

Samsung Communication Manager



Key Features – Smart Routing

FMC can save OPEX by 30%

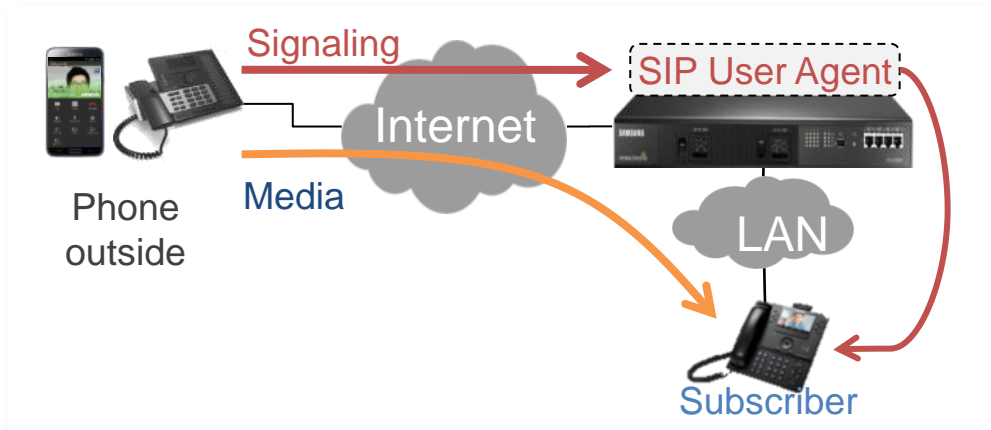
▶ Call Charge Reduced Using Smart Routing Function



*IP PBX converts
3G outgoing calls to
IP extension calls automatically*

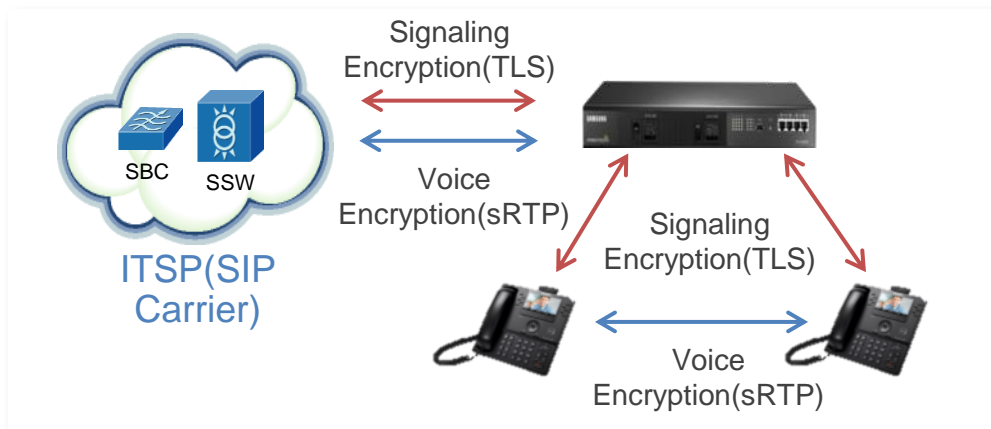
Key Features – IPT Security

Authorization and Encryption



▶ Access Authorization

- Access Limitation for User (MAC, IP, ID/PW)



▶ Voice Encryption

- Signaling (TLS), Voice (sRTP)

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References

References (1)

Education



**Hanyang University
(KOR)**



**Oxford Begbroke
Science Park (UK)**

Hospitality



**Ambassadors Bloomsbury
Hotel (UK)**



**The Keating Hotel
(CA, US)**

Manufacturing



**Lakeland Plastics
(UK)**



**Samsung Electronics
(KOR)**

Public



**National Pension
Service (KOR)**



**Water Resources
Corporation (KOR)**

References (2)

Enterprise



Dongkuk Steel group (KOR)



Gateshead International Business Centre (UK)

Finance



First Bank of Texas (US)



GenBank (RUS)

Healthcare



USMD Hospital (US)



Gracewell Horley Sanatorium (UK)

Retail



Spire Automotive & Corporate (UK)





Lotte Mall (KOR)

The top corners of the slide feature decorative geometric elements. The top-left corner has several overlapping squares and rectangles in various shades of light blue and white. The top-right corner has a few similar shapes, including a square with a horizontal line extending to the right.

Appendix 1







Specification



	SCM for SMB	SCM Express
Image		
Users	Max. 512	Max. 3,000
Gateways	Max. 6	Max. 512
BHCC	18,000	60,000
CPS	5	50
MOH Channels	24	1,024
UMS Channels	32	128
Conference Channel	32	64
Rack Unit	1RU	1RU

Hybrid PBX



	OfficeServ7030	OfficeServ7070	OfficeServ7100	OfficeServ7200S	OfficeServ7200	OfficeServ7400
Image						
Form Factor	1Rack, 3Slots +1expansion Rack	1Rack, basic 5slots + Expansion board, 3 slots	1Rack, 3slots	1Rack, 6slots	1Rack, 6slots + 1expansion Rack	1Rack, 12slots + 2expansion Rack
Positioning	Small sized (~20)	Small sized (~48)	Small-Medium sized (~60)	Small-Medium sized (~64)	Medium sized (~128)	Medium sized (~480)
VM/AA	VM/AA 2	VM/AA 4, Simple AA 4	VM/AA 4	VM/AA 6	VM/AA 20	VM/AA 20
Station	20	48	60	64	128	480
Trunk	16 (SIP/SPNET 8)	42 (SIP/SPNET 8)	60 (SIP/SPNET 16)	60 (SIP/SPNET 16)	64 (SIP/SPNET 64)	256 (SIP/SPNET 224)
Size	320.5 x 72 x 365mm (Desktop/ Wall Mount)	425 x 87 x 315mm (19" Rack mountable)	440 x 75 x 410mm (19" Rack mountable)	440x 123.8x 410mm (19" Rack mountable)	440x 123.8x 410mm (19" Rack mountable)	440x 223.8x 410mm (19" Rack mountable)

IP Phone










	SMT-i6010	SMT-i6011	SMT-i6020	SMT-i6021	SMT-i5343
Image					
Display	3.2" Mono LCD	3.2" Mono LCD	3.2" Mono LCD	3.2" Mono LCD	4.3" Color LCD
Spec	<ul style="list-style-type: none"> - 12 Key Button - 10/100/1000Mbps 	<ul style="list-style-type: none"> - 12 Key Button - 10/100/1000Mbps 	<ul style="list-style-type: none"> - 24 Key Button - HD Voice - 10/100/1000Mbps 	<ul style="list-style-type: none"> - 24 Key Button - HD Voice - 10/100/1000Mbps 	<ul style="list-style-type: none"> - USB Camera - HD Voice - 10/100/1000Mbps

	SMT-i5230	SMT-i5220	SMT-i5210	SMT-i3105	SMT-i5264
Image					
Display	3.2" Mono LCD	3.2" Mono LCD	3.2" Mono LCD	4 Line LCD	-
Spec	<ul style="list-style-type: none"> - UC DESI-LESS - 10/100/1000Mbps 	<ul style="list-style-type: none"> - 24 Key Button - 10/100/1000Mbps 	<ul style="list-style-type: none"> - 14 Key Button - 10/100/1000Mbps 	<ul style="list-style-type: none"> - 10 Key Button - 10/100Mbps 	<ul style="list-style-type: none"> - Add On Module - 64 Key Button

Digital Phone



	DS-5014S	DS-5014D	DS-5021D	DS-5038S
Image				
Display	48 Character display	48 Character display	48 Character display	48 Character display
Spec	- 14 Programmable keys with tri-colored LEDs	- 14 Programmable keys with tri-colored LEDs - Navigation Key	- 21 Programmable keys with tri-colored LEDs - Navigation Key	- 38 Programmable keys with tri-colored LEDs

	Falcon8	Falcon18	Falcon28	DS-5007S
Image				
Display	32 Character display	32 Character display	32 Character display	48 Character display
Spec	- Dual LED 8 Button	- Dual LED 18 Button	- Dual LED 28 Button	- 7 Programmable keys with tri-colored LEDs




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Appendix 2

Ethernet Switch

Ethernet Switch Specification



	iES4028GP	iES4028XP	iES4024GD
Image			
Category	L2 PoE		L3 (Distribution)
Ports	<ul style="list-style-type: none"> - 24 10/100/1000 Base TX ports - 4 Gigabit combo ports or 2 Gigabit combo ports + 2 10G ports (Option) - 1 Management port - 1 Console port 	<ul style="list-style-type: none"> - 24 10/100/1000 Base TX ports - 4 Gigabit combo ports or 2 Gigabit combo ports + 2 10G ports (Default) - 1 Management port - 1 Console port 	<ul style="list-style-type: none"> - 24 Gigabit combo ports (24 ports 100 Base-FX/ 1000 Base-X SFP, 24 ports 10/100/1000 Base-TX) - 1 Management port - 2 Console ports
Switching Capacities	92 Gbps		48 Gbps
Mac Address	16K MAC address entries		32K MAC address entries
AC Input	100 to 240 V, 50-60 Hz		
Power Consumption	<ul style="list-style-type: none"> - System MAX 80W - PoE MAX 370W 	<ul style="list-style-type: none"> - System MAX 80W - PoE MAX 740W 	System MAX 80W
Power-over-Ethernet	<ul style="list-style-type: none"> - 802.3af, 802.3at - Class 1,2,3 (24ports) - Class 4 (12ports) 	<ul style="list-style-type: none"> - 802.3af, 802.3at - Class 1,2,3,4 (24ports) 	N/A