

SAMSUNG



Enterprise IP Solutions

OfficeServ 7200





The Next Generation Enterprise IP Solutions

Welcome to the world of convergence

Communication is the driving force behind any organization and the communication infrastructure is the key asset in providing resilient and effective connections to the outside world. Convergence of communication infrastructure advances organization's capabilities and efficiencies.



Samsung's expertise in wireless communications, digital technology, and core networks, combined with IP Technology, has produced the OfficeServ.

OfficeServ 7200, the next generation IP Platform

The next generation of IP platform is the OfficeServ 7200, providing IP based wired and wireless solution for voice and data communication. OfficeServ is the ideal solution for the future and the present office because it can simultaneously support both traditional voice communication, voice over IP, IP based data communication, and wireless solutions through Wireless LAN.

Integrated communication environment

The OfficeServ 7200 makes voice calls and sends/receives data by using the LAN/WAN modules. The user can use the integrated wire/wireless platform (phones, PCs, servers, mobile phones, or peripherals) to make communications easily.

IP based feature server.

The OfficeServ 7200 uses an IP-based feature server to provide an IP solution, which integrates the functions of mail server, Session Initiation Protocol (SIP) server, and Voice over IP Unified Messaging Service (VoIP UMS).

The IP-based feature server is a Linux platform and can continuously add feature server modules to be provided in the future. Examples of the feature servers include the mobile roaming server and Authentication, Authorization, and Accounting (AAA) server.

Higher Quality IP Phone

The OfficeServ 7200 ensures the Quality of Service (QoS) of the voice calls depending on the priorities and grouping of data and voice packets.

- Layer 2 QoS : Priority Processing (802.1p), VLAN (802.1q)
- Layer 3 QoS : Class Based Queuing (CBQ), QTP Priority Queuing, or the on demand management of the bandwidth Wide Area Network (WAN).

WAN/LAN Functions

The WAN and LAN interface modules are installed in the OfficeServ 7200; thus data can be sent/received via the interface of the 10/100 base T Ethernet in both the Internet and the Intranet without any data equipment.

Wireless LAN, Mobility in your office

OfficeServ WLAN liberates you from the confines of your office and provides you with significant cost efficiencies because the qualified voice and data service of OfficeServ WLAN removes needless cabling and maintenance. With its support for the WIP-5000M WLAN phone, OfficeServ provides full voice-data convergence not only for fixed network connections but also on Corporate Wireless LANs. Samsung's Enterprise IP Solution gives you the freedom to run high bandwidth wireless data applications along with a superior quality voice service on the same network

The OfficeServ 7200 uses both standard Access Point and combined Access Point, which offers services by separating the data from voice, and supports handoff and QoS.

WIP-5000M

- IEEE 802.11b, SIP Protocol
- Voice Codec: G711/G729A/G723.1
- Size: 125(W)x43(L)x19(H)mm
- Weight: 95g
- Battery: 3.7V Li-Ion/1000mA
- Talk Time: 2.5 hour
- Standby Time: 25 hour

**WBS24**

- Hand-off
- Power feeding (Combo Type)
- Wireless Standard: IEEE 802.11b
- Ethernet: 10/100 Base-T

**IP UMS**

Samsung OfficeServ supports IP UMS that provides you unified messaging service of telephone, IP Phone, e-mail, voice mail, and FAX. You are able to access to your communication devices through Samsung UMS whenever and wherever you want because Samsung UMS is Web based sophisticated solution.

Text-To Speech (TTS) Responses

The OfficeServ 7200 converts text messages such as e-mails to voice messages and allows the users to listen to the messages through phones. Also, it recognizes the voices and responds to them.

Mail Server and Instant Messaging

The OfficeServ 7200 integrates voice messages and e-mails to function as an e-mail server, which converts the integrated messages depending on the users' needs and resends them, and sends/receives instant messages.

Enhanced application

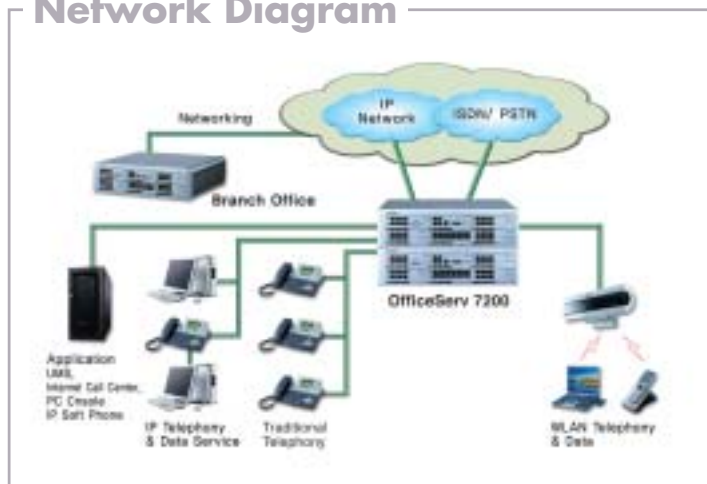
The OfficeServ 7200 offers enhanced applications such as OfficeServ News, EasySet, Internet Call Center, PC Console R-NMS, Internal board-type voice mail solution, integrated facsimile server, and digital integrated recording systems.



OfficeServ 7200

Maximum Capacity	1 Rack: Max. 122 voice users, Max. 80 LAN ports, Max. 20 xDSL ports 2 Rack: Max. 216 voice users, Max. 160 LAN ports, Max. 40 xDSL ports, Max. 120 WLAN Phones.
Trunk	TEPRI, 8TRK
Station	16DLI, 8DLI, 16SLI, 8SLI, 8HYB
Data	WIM: WAN Interface module. DMZ port, LAN port, V.35 serial port LIM: 10/100 BASE-T Ethernet ports 16. 4DSL: long distance Ethernet ports 4. Max. 1.2Km, Up/Down link : 5 Mbps
Voice Application	MGI: Media gateway module WLI: WLAN Access Point Interface Module
CPU	MPC855T, 50MHz
AC Input	AC: 110V/220V 60Hz DC: +5V, -5V, -48V.
Size	1 Rack: 440(W) x 123.8(H) x 410(D) mm 2 Rack: 440(W) x 247.6(H) x 410(D) mm

Network Diagram



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Enterprise IP Solutions

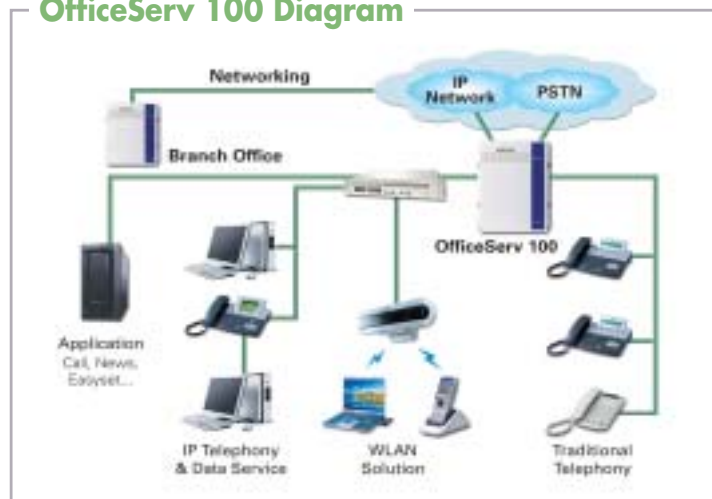
OfficeServ 100 System Specification

Category		Single Cabinet	Single Cabinet + A Rack	Single Cabinet + B Rack
Standard	E1	-	96	88
	8TRK	42	66	58
Analog	LOOP	24	48	40
	E/M	12	24	20
Digital	T1	-	23	23
	E1	-	30	30
General Phone		26	50	42
Digital Phone		40	40	40
IP Phone		64	64	64
WIP-5000M		64	64	64

* If you want to use both IP Phones and WIP-5000M together, you can use maximum 64 phones in total of both of them.

* If you want to use both General Phones and Digital Phones together, you can use maximum 40 phones per one cabinet in total of both of them.

OfficeServ 100 Diagram



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SAMSUNG ELECTRONICS CO., LTD.

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SAMSUNG

**Optimized Enterprise IP Solution
for medium-sized organizations**



Enterprise IP Solutions

OfficeServ 100

www.samsungnetwork.com

Optimized Enterprise IP Solution for medium-sized organizations

Experience enhanced business competitiveness

Samsung is a leading supplier of the latest voice and data communications solutions. Benefiting from the support and synergy offered by one of the world's most respected electronics organizations, we supply our customers with a total solution to fulfill their data and voice communications requirements, all from one source.

Samsung's expertise in wireless communications, digital technology, and core networks, combined with IP Technology, has produced the OfficeServ, IP based wired and wireless convergence solution. OfficeServ is at the forefront of the communications revolution, with innovative Enterprise IP solutions that create a synergy between your voice and data networks, opening up opportunities for greater commercial success and lowering communication costs.

OfficeServ 100, the competitive power for future network business

OfficeServ 100 has everything you need to take your business to the next level. With cutting edge networking capabilities, you can link a remote location to operate transparently as a single entity. VoIP offers state-of-the-art convergence technology that allows you to make voice calls over your existing intranet. Features like CTI, ACD and so much more. Best of all, with the OfficeServ 100's scalable architecture, you don't need to make a big investment now to be prepared for tomorrow's growth.

Multi-site networking solution

OfficeServ 100 uses an international, open protocol(Q-sig), which enables compatible telephone systems to be integrated across multiple locations and create a high level of feature transparency. As such you can link OfficeServ 100 to other existing legacy systems, so you don't necessarily need to invest in new technology across all sites.

OfficeServ 100 also allows all users to benefit from the cost effective sharing of selected features across the network. They can access centralized functionality - from simple call forwarding and transfers to advanced features such as operator services, voice mail, automated attendant and ACD across connected sites.

Branching out with VoIP

The Internet is revolutionizing the way business operates, opening up a whole world of information and opportunities. OfficeServ 100 is at the forefront of this communications revolution, providing Voice over Internet Protocol (VoIP) functionality. And the OfficeServ creates more effective applications with IP technologies and reduces the ongoing costs of call traffic between linked sites.

Enterprise IP Solutions

OfficeServ 100

Advanced communication solutions

A host of sophisticated standard and optional features are available for OfficeServ 100 to ensure that you maximize the potential of your communications solution. With simple access to features via desktop terminal or PC applications, each individual user can quickly and easily reap the benefits of OfficeServ 100's comprehensive functionality.

System Management

OfficeServ 100 provides a comprehensive variety of management data, including cost reports and full details of inbound and outbound calls. Systems can be programmed to restrict certain types of calls, helping to eliminate usage can be generated which can be used to monitor your system and fine-tune the way it is used by staff. A well-configured system will streamline communications and reduce overall costs.

Virtual port

OfficeServ 100 provides a Virtual port. This Virtual port is not connected to a physical cable, but has its own phone numbers and functional settings. Virtual port can be used as the parameter port for call transfer in CTI Applications such as the Internet Call Center(ICC), and can exchange saved information with real phones using the set relocation feature to implement a mobile office.

WAN / LAN Functions

The WAN and LAN interface modules are installed in OfficeServ 100; thus data can be sent / received via the interface of the 10/100 base T Ethernet through the Intranet and via the Internet without the need for any additional data equipment.

Wireless LAN, Mobility in your office

OfficeServ WLAN liberates you from the confines of your office and provides you with significant cost efficiencies because the qualified voice and data service of OfficeServ WLAN removes needless cabling and maintenance. With its support for the WIP-5000M WLAN phone, OfficeServ provides full voice-data convergence not only for fixed network connections but also on Corporate Wireless LANs. Samsung's Enterprise IP Solution gives you the freedom to run high bandwidth wireless data applications along with a superior quality voice service on the same network.

OfficeServ 100 uses both standard Access Point and combined Access Point, which offers services by separating the data from voice, and supports handoff and QoS.

Simple and slim design digital phone and IP phone

OfficeServ 100 supports user-friendly designed digital phone, IP phone and WLAN phone. To help you take advantage fully of the features within the OfficeServ 100, OfficeServ phones have LCD screens and navigation buttons.

WIP-5000M

- IEEE 802.11b, SIP Protocol
- Voice Codec : G.711 / G.729A
- Size : 125(W) × 43(L) × 19(H)mm
- Weight : 95g
- Battery : 3.7V Li-Ion / 1000mA
- Talk Time : 2.5 hour
- Standby Time : 25 hour



WBS24

- Hand-off
- Power feeding (Combo Type)
- Wireless Standard : IEEE 802.11b
- Ethernet : 10/100 Base-T



Maximum Capacity	Maximum 68 Station Ports
	Maximum 78 Trunk Ports
	Maximum 64 IP Phones
	Maximum 64 WIP Phones (Basic)
	Maximum 32 WIP Phones (Combo)
	Maximum 12 Wireless APs (Basic)
Trunk card	3TRK, 6TRK, 8TRK, TEPRI, PRI, 2BRI, 4BRI
	Station card
Service card	MGI3, SVMi-4, SVMi-8, MISC3(4)
Data	LAN(10/100 Base-T Ethernet), SIO(1 Port)
Interface	LAN, Modem(56Kbps), CTI(TAPI), WLAN Access Point
AC Input	AC : 110 / 220V, 50Hz, 3.0A
	DC : +5V, -55V
CPU	MCPI : MPC 855T / 50MHz / 32bit
	Base : MC68EC000 / 16MHz / 16bit
Size	1 Rack : 365(W) × 464(H) × 148(D)
Weight	1 Rack : 7.5kg



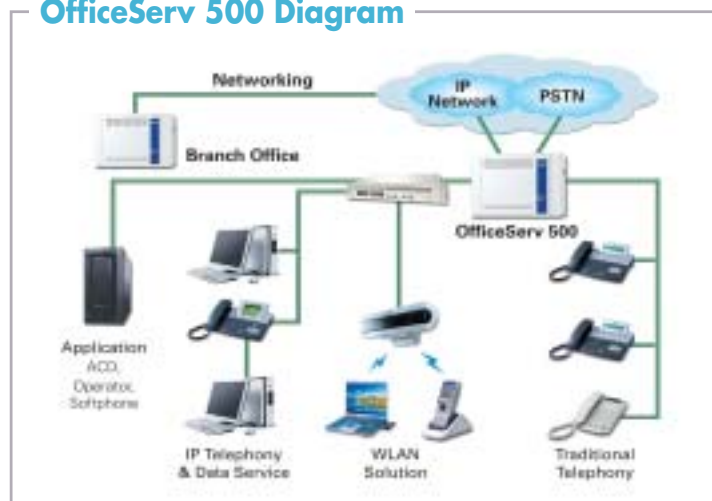
Enterprise IP Solutions
OfficeServ 500 System Specification

Category	Single Cabinet		Two Cabinet	Three Cabinet	
	OfficeServ 500-M	OfficeServ 500-L			
Standard	E1	186	170	356	542
	8TRK	120	104	224	344
	LOOP	72	64	136	208
Analog	DID	36	32	68	104
	E/M	36	32	68	104
Digital	T1	72	72	144	216
	E1	90	90	180	270
		PRI T1	69	69	138
	E1	90	90	180	270
General Phone	120	120	240	360	
Digital Phone	120	120	240	360	
IP Phone	120	240	240	240	
WIP-5000M	120	240	240	240	

* If you want to use both IP Phones and WIP-5000M together, you can use maximum 120 phones in total of both of them(OfficeServ 500-L : 240 phones).

* If you want to use both General Phones and Digital Phones together, you can use maximum 120 phones per one cabinet in total of both of them.

OfficeServ 500 Diagram



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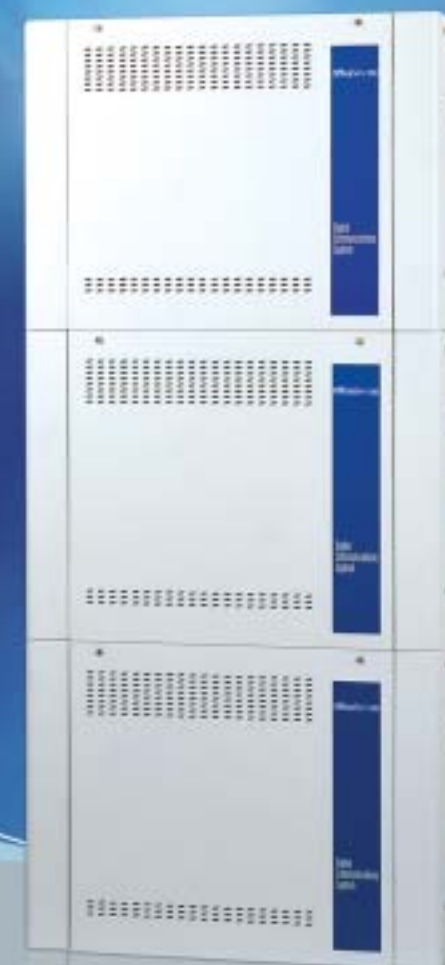


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SAMSUNG

*Innovative and advanced Enterprise IP Solution
 for medium and large organizations*



Enterprise IP Solutions

OfficeServ 500

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Innovative and advanced Enterprise IP Solution for medium and large organizations

Experience the power of performance

Samsung's expertise in wireless communications, digital technology, and core networks, combined with IP Technology, has produced the OfficeServ, IP based wired and wireless convergence solution.

With a comprehensive range of features and functionality, the Samsung OfficeServ offers an effective, affordable solution for any organization - whether you are a single - site office, school, hotel or retail outlet or a multi-site organization wishing to take advantage of converged networking technologies.



OfficeServ 500, the competitive power for future network business

OfficeServ 500, Samsung's premier communications platform in our elite line of telephony products is designed to meet the current and future needs of medium to large companies. OfficeServ 500 is designed to deliver integrated voice and data communication to medium and large-sized business.

Enhanced networking solution

The true power of the OfficeServ 500 lies in its enhanced networking technology. Offering you a range of powerful options to link systems and share functionality across multiple sites through the Internet, the OfficeServ 500 is the ideal private business networking solution based on IP technology. OfficeServ 500 also allows to link systems using by Q-sig which is an international, open protocol and it enables compatible telephone systems to be integrated across multiple locations.

Moving Office

OfficeServ 500 allows extensions to be deployed both locally and remotely through the LAN or virtual private network (VPN) services for remote workers, and it also offers complete transparency for all telephone features for remote extensions.

WAN / LAN Functions

The WAN and LAN interface modules are installed in the OfficeServ 500; thus data can be sent / received via the interface of the 10/100 base T Ethernet through the Intranet and via the Internet without the need for any additional data equipment.

Enterprise IP Solutions

OfficeServ 500

Call Management

OfficeServ 500 gives you sophisticated call-handling facilities to optimize service to callers. When a group receives a call, the OfficeServ 500 will direct the call to the first available person in that group. If no assistance is available and the call is held in a queue, the system will play a message to the caller, reassuring them of prompt attention as soon as a call handler becomes free. System flexibility enables group supervisors to monitor the status of all incoming calls, and to bring the staff in and out of a group as necessary.

Wireless LAN, Mobility in your office

OfficeServ WLAN liberates you from the confines of your office and provides you with significant cost efficiencies because the qualified voice and data service of OfficeServ WLAN removes needless cabling and maintenance. With its support for the WIP-5000M WLAN phone, OfficeServ provides full voice-data convergence not only for fixed network connections but also on Corporate Wireless LANs. Samsung's Enterprise IP Solution gives you the freedom to run high bandwidth wireless data applications along with a superior quality voice service on the same network.

OfficeServ 500 uses both standard Access Point and combined Access Point, which offers services by separating the data from voice, and supports handoff and QoS.

WIP-5000M

- IEEE 802.11b, SIP Protocol
- Voice Codec : G.711 / G.729A
- Size : 125(W) × 43(L) × 19(H)mm
- Weight : 95g
- Battery : 3.7V Li-Ion / 1000mA
- Talk Time : 2.5 hour
- Standby Time : 25 hour



WBS24

- Hand-off
- Power feeding (Combo Type)
- Wireless Standard : IEEE 802.11b
- Ethernet : 10/100 Base-T



Simple and slim design digital phone and IP phone

OfficeServ 500 supports user-friendly designed digital phone, IP phone and WLAN phone. To help you take advantage fully of the features within the OfficeServ 500, OfficeServ phones have LCD screens and navigation buttons.

Simple, effective operator functions

OfficeServ 500 can also allow pre-programmed messages to be sent and displayed on the LCD screen of display keyphones so that operators or their supervisors can continue to communicate whilst involved in a call. In addition, individual operators can also leave their terminals with a station message so that any internal caller receives a text message showing the status of the operator (e.g. out to lunch, on holiday etc).

Least Cost Routing and System Management

OfficeServ 500 provides a comprehensive variety of management data, including cost reports and full details of inbound and outbound calls. It can be programmed to restrict certain types of calls (e.g. premium rate, mobile or international numbers), helping to eliminate unauthorized telephone use and minimizing bills.

Branching out with VoIP

The Internet is revolutionizing the way business operates, opening up a whole world of information and opportunities. OfficeServ 500 is at the forefront of this communications revolution, providing Voice over Internet Protocol (VoIP) functionality.

Maximum Capacity	1 Rack : 120 lines (186 lines with E1 trunk)
	2 Rack : 240 lines (356 lines with E1 trunk)
	3 Rack : 360 lines (542 lines with E1 trunk)
	IP Station + Wireless Station : Max 240 lines / Max 120 lines(OfficeServ 500-M)
Trunk card	8TRK, DID, E/M, TEPRI, BRI
Station card	SLI, 8SLI, 16SLI, 8MWSLI, 16MWSLI, DLI, 16DLI
Service card	MGI3, MGI1, MGI2, AA, SVMi-8, SVMi-16, 8WLI
Data	LAN (10/100 Base-T Ethernet), SIO(4 Port)
Interface	LAN, Modem(56Kbps), CTI(TAPI), WLAN Access Point
AC Input	AC : 110 / 220V 60Hz
	DC : +5V, -5V, -48V
CPU	MCP2 : MPC 860 / 80MHz / 32Bit
	SCP2/LCP2 : MC 68302 / 16MHz / 16Bit
Size	1 Rack : 570(W) × 500(H) × 300(D)
Weight	1 Rack : 15.8kg

