

Samsung Communication Manager Compact (SCM Compact)

A cost-effective and feature-rich IP-PBX platform that's the ideal foundation for mobile-enabling your organization



OVERVIEW

Mobility has become a key driver of IT and UC strategies. According to a Techaisle study of SMB & Mid Market mobility adoption trends, businesses believed that mobility is driving “better ways of working” and “delivering top-line growth”¹. Aligning with the trend, BYOD has been rising in enterprises as 66% businesses allow employees to bring their own device².



The mobile-first economy has brought on new challenges for enterprise IT departments that want to upgrade their infrastructure to support the new needs. Whether a new deployment or an upgrade, it's important to look at both the future requirements for applications while also ensuring secure access when evaluating new communications solutions.

The Samsung Communication Manager Compact solution is designed to cost effectively and efficiently solve mobility management challenges, while helping businesses become more agile, improve operational efficiencies and enhance customer satisfaction.

^{1, 2} Techaisle study in SMB & Mid Market Mobility Adoption trends.

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The Samsung Edge

Mobile First UC Applications

Samsung's Wi-Fi and Bluetooth-enabled desk phones which pair with mobile UC applications make it easy to offer your employees a comprehensive communication solution that allows them to be productive wherever they happen to be working.

Conversations On The Go

Samsung's WE VoIP smartphone application for Android and iOS automatically routes calls over corporate Wi-Fi networks when employees are in the office. When they are out of the office, calls use public Wi-Fi or 3G/4G/LTE cellular networks. No matter which network they're connected to, employee smartphones work like Samsung IP phones, with access to business-class features such as conference calling, call transfer, call back later notifications, call recording and call hold.

Smart Routing

SCM-Compact's Smart Routing feature detects if calls between employees are placed using a mobile or PSTN network. It then automatically reroutes them to use PBX extension lines as intercom calls to reduce communication costs.



Easy Call Move

With "Call Move," employees can start a call on their desk phone, and with a push of a button, easily move the call to their mobile device when they need to leave.

Smart Handover

Smart Handover seamlessly transfers smartphone IP calls carried via the office Wi-Fi network to the cellular network without disruption. When implemented with

Samsung's Wi-Fi access points, SCM-Compact identifies when WE VoIP users move outside the Wi-Fi zone, then automatically switches their Wi-Fi call to a cellular voice call.



Robust Applications in a Single Platform

The SCM Compact solution comes with a suite of embedded applications, including ACD application for Contact Center, Automated attendant, Call recording, Meet me voice conferencing, Video calling and Premium caller ID (for intercom calls). Voice Mail and ad-hoc conference include six channels each that can be further updated by



SCM-Compact enables you to:

Reduce CAPEX and OPEX

SCM-Compact includes applications such as Auto Attendant/Voice Mail Server, a session border controller, conferencing and SIP trunk licenses for external servers. Those savings are even more significant when you have multiple branch offices or as your business expands.

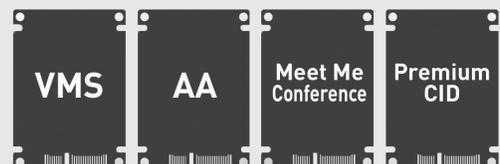
SCM Compact also significantly reduces switch port costs. The converged architecture simplifies infrastructure deployment, reduces hardware and implementation costs as well as minimizes the need for multiple IT support staff. This enables you to streamline your operations and improve cost efficiency.

Support Employees Productivity

Specially designed to support BYOD and mobility management, SCM-Compact's integrated mobile applications such as WE VoIP eliminate common communications hassles that frustrate employees and ensure you will never miss your customers' calls.

Maximize Business Efficiency and Communications

Robust built-in APIs enable you to integrate with the third-party applications that are must-haves for your industry, such as electronic medical record systems for health care entities.



adding an optional card – eliminating the need to invest in standalone voice mail and conferencing solutions.

Flexible APIs for Easy Integration of Third-Party Applications

SCM-Compact supports just about any application using a wide variety of application programming interfaces (APIs) such as SIP, CSTA, JTAPI and TAPI for easy integration with 3rd party applications such as Hotel Property Management System (PMS). This eliminates the additional cost of a separate link server.

Enterprise-Class Survivability

The increased use of voice and video-based collaboration is fueling the need for high bandwidth solutions. The SCM Compact is equipped with a Gigabit Ethernet port to meet your current and future bandwidth needs.

SCM Compact also is designed to provide the reliability and redundancy necessary to keep your organization running 24/7/365. Examples include power level redundancy and the ability to hot swap optional cards without service outages and system shutdowns. With other solutions, IP connectivity between the central data center and remote offices are lost during a WAN failure. SCM Compact is designed to prevent that problem by working with the VoIP gateway to switch branch office calls to the PSTN. In case of disasters, the Samsung WE VoIP Mobile UC application provides additional resiliency by enabling users to stay connected to the corporate communication network via any public Wi-Fi or cellular network.

Built-In Session Border Controller for Enterprise-Grade Security

The session border controller (SBC) is an important network element to assure secure SIP trunk connectivity with service providers. It allows remote workers to securely connect to the corporate IP-PBX without a cumbersome VPN on the desk phone and mobile UC applications. The SBC also enables businesses to benefit from cloud-based services by securely connecting with third-party application providers.

With a built-in SBC in the server, the SCM Compact offers enterprise-class security to your mobility implementation. SIP signaling and media can be transferred from the internal private network to the external public network. UDP, TCP, and TLS transports are all supported, with support for conversion transfer. SIP signaling and media can be transferred for SIP entities under Network Address Translations (NAT) to the external network. This gives employees protected access to the corporate network and UC collaboration tools anytime, anywhere, helping to maximize employee productivity and operational efficiency.



Seamless Migration to IP with Investment Protection

Integrated Media Gateway

SCM Compact software is tightly coupled with the Samsung media gateway solution that can be either embedded on the same platform or deployed as a standalone branch office solution. The combined solution supports a range of on-board analog FXS/ FXO and digital PRI interfaces that can be further scaled and expanded to branch offices with expansion slots. The solution supports up to six gateway cabinet interfaces, as well as on-board DSPs for DTMF and codec interworking.

Media gateways are typically required to bridge the analog/TDM world with the IP world. Once SMBs have completely transformed their network to SIP, they may not need VoIP gateways anymore. The Samsung solution offers complete flexibility to repurpose the VoIP gateway platform to perform the IP PBX function without requiring additional hardware or licenses – a unique capability to protect your investment.

Scalability to Match Your Business' Growth

SCM-Compact scales up to 512 SIP lines and SCM Express can be easily added to increase this amount. SCM-Compact can be converted to a G500 Gateway and connected to the SCM Express to provide investment protection of the system.

Full Lineup of Wired and Wi-Fi Phones

The SCM Compact provides rich session management for the extensive lineup of Samsung's wired and Wi-Fi-/Bluetooth-enabled IP phones. Both the SMT-i5000 series IP Phones and the new SMT-i6000 series IP phones can be remotely configured and managed from SCM Compact.

Better Collaboration and Cost Savings through Wi-Fi-powered IP Communications



Why Samsung Wi-Fi and SCM Compact?

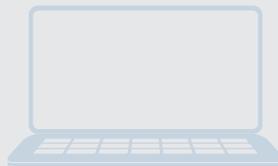
- Reduce CAPEX: Eliminating expensive Ethernet cabling, saving up to \$30,000 for business with 100 workstations.
- Accelerate your mobile implementation: Wi-Fi enabling desk phones and mobile UC applications help to enhance staff productivity.
- Elevate voice communications: Simple call transfer between desk phones and mobile phones over in-building Wi-Fi and cellular network while ensuring HD voice quality and a seamless experience.

Leveraging Voice & Data Communications

Samsung has changed the way businesses are implementing VoIP and enterprise mobility by introducing a whole new category of business communications solutions. Powered by Samsung's Wi-Fi solution, the SCM Compact eliminates network wires which could save thousands of dollars versus expensive Ethernet cables, installation, and operational costs. Powered by its WE VoIP applications and Samsung WLAN patented technology such as Airmove, and Voice Aware Traffic Scheduling (VaTS), the combination of SCM Compact and Wi-Fi solutions assures crystal clear, real-time voice and video collaboration over Wi-Fi giving you everything you need to be more productive in the wireless work environment.

Wire
Free

No More
Cat 5





Capacity	Extension	FXS : 256, SIP Phone : 512		
	Trunk	FXO : 16, BRI : 16, PRI : 96 (Gateway mode : 184), SIP : 128		
Application	VM/AA	<ul style="list-style-type: none"> • Voice Mail, Auto Attendant, Outlook - On board : VM/AA 6 (Recording time: Max. 5hours) - VPU card : Max. 32 (Recording time: Max. 300 hours) 		
	Conference	<ul style="list-style-type: none"> • Ad hoc, Meet-me, Group paging - On board: 6 (Ad hoc) - VPU card: Conference 32 (Ad hoc, Meet Me) 		
Features	Main	PBX features support ACD, Call statistics, CDR, Call History		
	Security	PBX features support ACD, Call statistics, CDR, Call History		
	Network	DHCP Server, NTP Client, Static Routing, NAT, QoS		
	Application I/F	SIP, CSTA, TAPI, JTAPI		
Main Cabinet	Slot	4		
	Processor / Power (on Board)	<ul style="list-style-type: none"> • Call Manager Unit • WAN/LAN I/F, USB, LED, Reset • Power/FAN & Slot Connector • Power Supply Unit, 66W 		
	Option Card	4FXS	4 FXS ports, RJ-45 4 ports	
		4FXO	4 FXS ports, RJ-45 4 ports	
		1PRI	1*PRI (23Ch). RJ-45 1 port	
		2PRI	2*PRI (46Ch). RJ-45 2 port	
		VPU	VM/AA 32 channel, Conference 32 channel	
Size	19" (441.5 x 352 x 44 mm)			
Expansion Cabinet	Processor / Line (on Board)	20 FXS	<ul style="list-style-type: none"> • 20 FXS ports • RJ-45 2 ports: FE *1, Console *1 • Power Supply Unit, 66W • AC 110/220V Input, DC +12V/5.5A Output • Single Power or Dual Power 	
		40FXS	<ul style="list-style-type: none"> • 40 FXS ports • RJ-45 2 ports: FE *1, Console *1 • Power Supply Unit, 66W • AC 110/220V Input, DC +12V/5.5A Output • Distribution Power 	
	Size	19" (441.5 x 352 x 44 mm)		

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