Wireless Enterprise

Unlimited Connectivity
Samsung Wireless Enterprise

SAMSUNG
COMMUNICATIONS
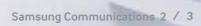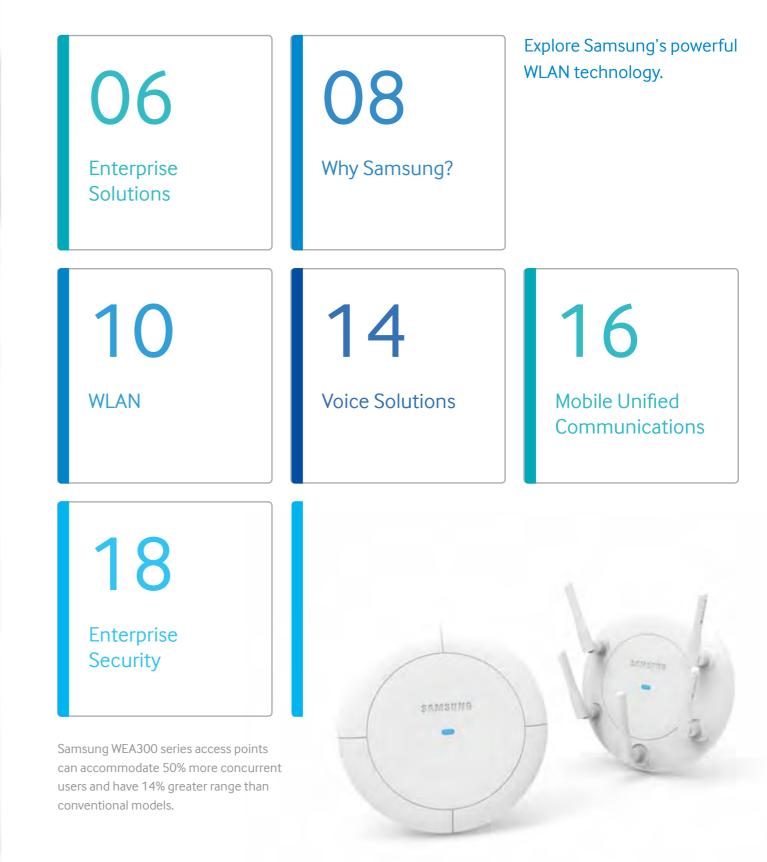Enterprise Solutions

Streamline your communications

Samsung Wireless Enterprise creates a working environment where information can be shared efficiently and securely; and colleagues can work together anytime and anywhere through the power of a wireless network.

WELCOME

Wireless Enterprise

SAMSUNG
COMMUNICATIONS
Enterprise Solutions

Explore Samsung's powerful WLAN technology.

Samsung WEA300 series access points can accommodate 50% more concurrent users and have 14% greater range than conventional models.

Enterprise Solutions

Samsung Wireless Enterprise meets the challenges of the modern, flexible workplace by providing a secure wireless infrastructure capable of supporting today's more collaborative and mobile work forces.

Mobile devices are increasingly at the centre of business communications and the need for an enterprise strategy for mobile deployment is more important than ever.

The Samsung Wireless Enterprise addresses this problem through an innovative combination of smart devices, security frameworks, wireless infrastructure, voice over wireless LAN and mobile unified communications.

It brings together all these components to deliver true mobile unified communications for the enterprise so that users can move around freely and stay permanently connected to their collaborative processes.

Samsung Wireless Enterprise leverages Samsung's expertise in LTE mobile technology to maintain high quality voice, video and data communications in enterprises with flexible and collaborative workspaces and a large number of mobile employees.

Samsung Galaxy smartphones provide mobile workers with all the functionality of a deskphone.

Samsung Wireless Enterprise is made up of three core elements. Best-in-class individually, combined they set a standard others can only aspire to.
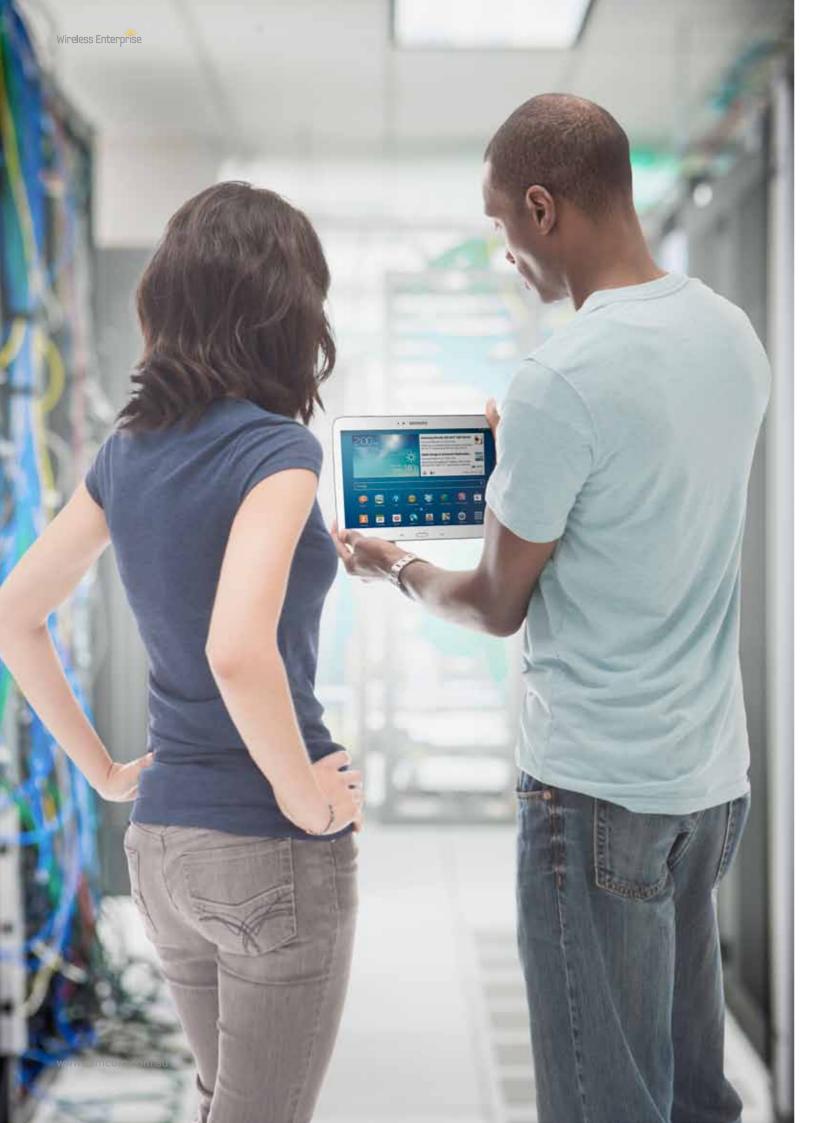
Infrastructure

Applications

Devices

Why Samsung?

With unrivalled expertise in consumer electronics, business communications and networking, Samsung is uniquely placed to address the challenges of the wireless enterprise.

The growing consumerisation of IT creates huge expectations on IT professionals to respond to user demand whilst delivering network services in a secure and reliable manner.

Samsung is the natural choice to meet these demands, thanks to our wide variety of smartphones and tablet devices backed up with a security and management ecosystem, plus extensive experience in network infrastructure and unified communication solutions.

By leveraging our substantial R&D investment in LTE/4G, Samsung has been able to enhance the Wireless LAN to meet the demands of an increasingly mobile workforce.

The Samsung solution supports a much higher density of devices roaming within and between public and private wireless networks with zero interruption of service.

The combination of these factors makes Samsung uniquely placed to deliver a full range of mobile solutions that address the current and future needs of the enterprise.

The Samsung Galaxy tablet range offers effortless speed and connectivity.

WLAN

Samsung's new wireless access points use the latest LTE mobile communications technology to deliver unparalleled performance for no-compromise wireless working.

With the increasing popularity of mobile devices, such as smartphones and tablets, demands on the WLAN are growing more complex due to the number of separate devices competing for service on the move.

The Samsung WLAN solution incorporates the latest LTE mobile communication technology to address the specific needs of voice and video without impacting data throughput. Seamless automatic handover when moving between Access Points (APs) removes the burden on devices and risk of disruption while application of Crystal HD Voice ensures the best possible speech quality and wireless service regardless of the type or number of devices in use.

The Samsung Wireless Enterprise solution goes beyond just satisfying user expectations. The Samsung AP delivers on design as well as performance. Using multi-antenna technology the typical range is increased by 14% whilst coverage, speech quality and data errors are improved by 30%. In addition, the superior power of the AP affects the devices connected to it, minimising their own power consumption for longer battery life, and increases the number of concurrent users per AP by up to 50%.

AirEqualizer

Samsung AirEqualizer optimises wireless resources by applying traffic schedule technology to the AP and allocating equal airtime to multiple devices. When numerous devices connect to an AP concurrently, AirEqualizer guarantees best performance by analysing individual connection requirements, typically delivering a gain of 50% or more compared to competitors.
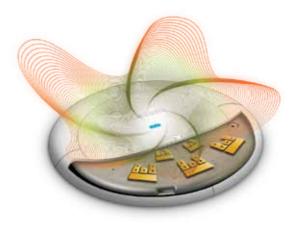
Intelligent Beam Selectable Antenna (IBSA)

Intelligent Beam Selectable Antenna creates an optimal RF pattern using multiple physical antennae to minimise shadow areas, enhancing the receive sensitivity by 2db or more and delivering 30% greater coverage. This is particularly critical for mobile devices with typically lower transmission power.

1 All comparison results obtained from tests with contemporary products from other vendors

Self Organising Network (SON)

Self Organising Network technology automatically adjusts the transmission power and selects channels. It also optimises cell configuration and size taking into consideration device characteristics.

AirMove*

Samsung AirMove technology applies the handover methodology used within LTE mobile communications to deliver seamless roaming. Timing and choice of access point is determined centrally by the Access Point Controller (APC) which has a full picture of device activity and adjacent AP loading.

Voice Aware Traffic Scheduling (VaTS)

By using scheduling technology designed for LTE mobile communications to match bandwidth to different devices, it is possible to increase concurrent call capacity by 50% or more.

Wireless Intrusion Prevention (WIPS)**

Each AP has a built-in module providing real-time RF monitoring for WLAN security without requiring an additional sensor AP or impacting service provision.

* Requires additional elements.

** Available in 2014.

Voice Solutions

Samsung Wireless Enterprise delivers a powerful integrated voice solution for mobile or static devices with full call control and a suite of applications to enhance the user experience.

Communication Manager

The Samsung Communication Manager underpins the delivery of a full suite of voice applications, including cutting edge voice over WLAN and Fixed Mobile Convergence, as well as the more mature functions that are expected of an established communication server.

Where the Samsung WLAN solution ensures the best possible data connectivity to the mobile device for optimum audio quality, the Communication Manager delivers the functionality.

Break free from the traditional office desk phone. Why connect mobile devices to your system if they are restricted in what they can do? Using the Communication Manager, the normal functions available to a fixed desk phone are extended to the mobile.

Samsung Communication Manager uses the latest SIP standards to deliver full call control and rich applications to all users.

Voice over WLAN

Samsung's exclusive HD Voice technology is embedded within a unique client on Samsung smart devices to ensure crystal clear call quality. The client also gives the user access to familiar functions such as transfer and conference and can therefore be considered as either a replacement or an addition to the traditional desktop. Support is provided for non-Samsung handsets.

GALAXY **Tab**

GALAXY **Note**

GALAXY S4

Integrated Dialler: enjoy the same user experience when dialling from any mobile device.

HD Voice: Optimisation of the Samsung Smart Phone and Voice Engine. A choice of Wideband Codec (G.722), Super Wideband Codec (SILK) and Seamless handover support during calls while moving between AP cells.

Later/Wait answering options: When you select Later the call is rejected and the caller's number is added to the call back list for easy dialling later. You can also answer a call via the Wait button which plays a voice message to the caller giving the user enough time to find a place to answer the call personally. An example of how this would be used is sending a Wait message to the caller when in a meeting room.

Mobile Unified Communications

The Samsung Wireless Enterprise solution supports true mobile unified communications in the work place, increasing productivity and supporting collaborative working, including group chat, presence information, work management and location based services, delivered securely to personal smart devices.

◢
Voice Conferencing

Conferencing has become an essential business tool providing the ability to quickly and efficiently set up audio conferences. Team members can collaborate efficiently regardless of location. Management tools provide the ability to control access, schedule resources and keep costs under control. There is no longer a need to use expensive dial-in services.

◢
Hot Desking

The proportion of people who require a fixed desk and phone in an organisation is changing. Flexible working hours, home working and mobile staff all have differing requirements. Hot Desking provides phone services that automatically adapt to the individual.

Samsung Wireless Enterprise allows calls to be delivered to a mobile over WLAN when in the office. Fixed mobile convergence allows calls to be seamlessly moved from a mobile device to a desktop and back.

Near Field Communication makes this even simpler. Tap your mobile device onto a desk handset and it all happens automatically, even diverting calls from a mobile device to a deskphone. Simply providing a more comfortable experience when working from a desk.

◢
Call Recording

A comprehensive solution for call recording allows recordings to be made for both fixed and mobile users. The management interface provides a straightforward means of archiving, searching and recovering recording sessions.

◢
Contact Centre

The Samsung Contact Centre has been developed from the ground up to be easy to install, administer and use, with no compromise on functionality, security or reliability. A module for the Samsung Communication Manager, it combines with the advanced features of the host platform to deliver a fully integrated experience.

As well as the typical call centre information on number and duration of calls waiting, information such as current sales levels or stock market information can be added to the mix. Linking external information to contact centre reporting allows informed management decisions to be made in real time.

◢
Unified Messaging

An integrated Unified Messaging System brings all your voice requirements together providing a single unified mailbox accessible from any device at any time. It comes with a complete suite of centralised services such as Auto Attendant, Group Mail boxes and Voice Questionnaires.

Enterprise Security

With the rise in personal devices being used in the enterprise, security is a big concern. Samsung KNOX™ is the comprehensive enterprise solution for mobiles. KNOX™ addresses the mobile security needs of enterprise IT without invading the privacy of its employees.

Samsung KNOX™ provides a comprehensive three pronged strategy to secure the system:

1. Customisable Secure Boot

2. ARM TrustZone-based Integrity Measurement Architecture (TIMA)

3. Kernel with built-in Security Enhanced Android (SE Android) access controls

As well as securing the platform, Samsung KNOX™ addresses enterprise application and data security requirements. The Samsung KNOX™ container provides security for enterprise data by isolating enterprise applications and encrypting enterprise data both at rest and in motion.

Samsung Enterprise Access Layer (SEAL) provides an additional customised security layer for businesses by enabling the development of an optimal environment for their mobile functionality. It is compatible with bring-your-own-device (BYOD) programmes, which lets personal mobile phones be quickly and safely transformed for professional use. In addition to the hardware cost savings this delivers, it also ensures convenient setup of your mobile business infrastructure. By offering adaptable security settings, this solution lets you integrate your existing software and create a tailor-made system incorporating different features and programmes.

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