Smartphone Integration

Which system, which phones, which applications...

Samsung foresaw the development of IP networks and wireless LAN networks that were able to support voice communications, with voice becoming another application delivered over an IP transmission layer.

This foresight saw the switch from further development of DECT which

had limited functionality, restrictive architecture and RF capability, to develop products for wireless LAN networks that had developed to a point where it was possible to successfully transmit voice in data packets, with a quality that was acceptable for general commercial communications.

As wireless IP networks and standards have developed, Samsung have adopted and adapted these into their products. Samsung had previously developed many proprietary functions into early versions of its products to overcome the early wireless networks shortcomings, as the wireless standards have evolved, many of these proprietary functions have been removed as the relevant Wi-Fi standards have replicated or replaced them.

The current Wi-Fi networks and devices have freed the end user from proprietary products, that are high cost due to the limited scale of manufacturing, allowing the use of generic products, with the accompanying lower costs due to higher manufacturing volumes and greater competition.

WE VoIP

The WE VoIP application is developed by Samsung Networks R&D. It is designed specifically to work with its UC products including Hosted Samsung Communicator. Under the skin the application is based on SIP, with some proprietary elements enabling additional functionality specific to the Samsung systems.

As Samsung currently manufacture a wide range of mobile handsets, to make the process easier a number of handsets that cover a broad range of user environments have been tested and approved, these range from rough usage, general usage to executive models. The range is updated regularly with old models deleted and new models tested.





The current range of handset models are:

- Samsung X Cover 4 Waterproof, dustproof, tough case and plastic screen with other design features to make it suitable for environments where it will get abuse, also supports 2.4Ghz and 5Ghz Wi-Fi frequency ranges.
- Samsung A5 2017
 General usage handset with good battery life and supporting 2.4Ghz and 5Ghz Wi-Fi frequency ranges.
- Samsung Galaxy S7 / S8 / S9 Executive handsets, supports both frequency ranges.
- Samsung Note 8 and above -Executive handset, supports both frequency ranges with the ability to easily input data with the use of the S pen.

Please note that the Plus and edge versions are also supported but not the mini versions that have a scaled down chip set and features.

Functions

TLS	Call Hold
sRTP	3 Party Conference
UDP	Move call to Mobile Network
ТСР	Auto Move to mobile ¹
Call Transfer	Call Mute
DND	Mute Ringtone on Flip
Loud Speaker	Auto Answer
CLI and Name	Hold on Message
Dial from Contacts	Later Message
Unified Call Log	Premium CLI
Default Dialler	Smart Routing
VoIP over 4G/LTE	System VM Indication
HD Voice	Move Call to Deskphone
Manual Network Selection	Move Call from Deskphone
Auto Network Selection	Remote Dial
Voice Mail Transfer	Call Waiting
Call Record	Paging ²
In Band DTMF	Push service ³
Headset Support	

1 - The WLAN must be Samsung WLAN with an APC

2 - The WE VoIP user can transmit a page but not receive

3 - The Push service is currently optional for Android devices