



ERICSSON

# ERICSSON VOLTE BASED MULTI-SIM FOR VOICE CALLS

One mobile phone number on multiple  
personal cellular devices



## Ericsson enables Multi-SIM for voice calls

One mobile phone number on multiple personal SIM-based devices

Ericsson has released new VoLTE based core network multi-SIM voice call functionality. This enables operators to provide voice services using the same phone number on multiple personal SIM-based devices. For instance, you can now be reached on your LTE/VoLTE enabled smartwatch with your mobile phone number, even if your smartphone is not with you. New smartwatches with software embedded SIM-cards are being launched in the market – which can connect to the mobile network over LTE, 2G, 3G and Wi-Fi.

Cellular connected smartwatches and other wearables with operator voice services can be useful while playing sports, performing challenging physical activities or simply when you are on the go.

It is also very handy for young children who could lose their phone, and elderly people for connecting in case of emergency situations.



Transfer calls from your wearable to your smartphone. Or call from the wearable when your smartphone runs out of battery.

## Building new user services on top of VoLTE networks

Voice over LTE (VoLTE) networks are being deployed globally and the technology has now been launched commercially on more than 100 networks. VoLTE subscriptions are expected to reach 4.6 billion in 2022 globally, according to the [Ericsson Mobility Report June 2017](#).

VoLTE is delivered in mobile networks using IMS (IP Multimedia Subsystem), a solution for IP based communication services. The Ericsson IMS delivers enriched real-time communication services to both consumer and business users over any access network and on all device types. These include

smartphones, tablets, wearables, laptops, fixed phones and more. Examples of communication services are HD voice (VoLTE), HD+ voice (new EVS voice codec), Wi-Fi calling, enriched messaging and enriched calling with pre-call info (RCS), video calling, HD video conferencing and web communications.

New Ericsson functionality for IMS is now being released. It includes Multi-SIM for voice calls, that enables using the same mobile phone number on the user's different personal devices. These devices can work over LTE, 2G, 3G and Wi-Fi accesses.



## User benefits and use cases for Multi-SIM for voice calls

A person can own a smartphone, and a smartwatch, using the same mobile phone number. The user will use these devices in different contexts, making it more convenient to communicate in different situations. For example, you can leave your smartphone at home, and still be able to make and

receive phone calls on your smartwatch connected over the LTE or 2G/3G network.

See more examples around wearable trends in the Ericsson ConsumerLab report [Wearable technology and the IoT](#).



Make and receive voice calls on your smartwatch or other wearables while playing sports – leave your smartphone at home.



Provide your children a smartwatch, so they can easily call you, without the additional hassle of carrying or losing a phone.



Elderly people can benefit from using a necklace, watch or any other wearable device, through which they can call for help in emergency situations, even if a phone is not available.

## Operator benefits by enabling voice calls on multiple devices

> Increases value of operator offerings by making voice services available on any type of device and improves brand value

> Increases operator's revenues

- By enabling sales of more SIM subscriptions/bundles per user
- By re-selling devices for specific purpose and brands with better margins

## Ericsson VoLTE based Multi-SIM for voice call functionality

Ericsson can support operators launch multi-SIM for voice calls on their VoLTE enabled network quickly, by using the complete network solution which is pre-integrated and pre-tested with market leading devices.

To enable this new functionality, operators need to upgrade their installed Ericsson based IMS/VoLTE network with new software in:

- > [Ericsson Call Session Control Function](#)
- > [Ericsson Multimedia Telephony Application Server](#)

> Secure entitlement

> System integration services for multi-SIM voice call deployments

> Pre-tested solution towards market leading devices

More information about Ericsson [IMS](#) and [Mobile Telephony Evolution with VoLTE](#) solutions.

## New wearable devices with cellular connectivity

Several device brands are now starting to offer smartwatches and other wearables with embedded SIM cards. These include no physical SIM-cards, but is in the form of a software on the device.

More device types with embedded SIM-cards are expected to be launched in the future. This will benefit both consumers and enterprise users in private and business situations.

More information is available at [GSMA embedded SIM specification](#).

