



Aastra Mobile Extension Client

– for Symbian OS

Usability and Cost Control

What if you could integrate your entire mobile workforce and reduce the duplicate fixed telephony infrastructure and its related operational costs?

Mobile Extension Client is a terminal client creating automatic access to Aastra Mobile Extension. It allows mobile users to use short number dialing and, in combination with Aastra Mobile Extension, to use traditional PBX services as if they were using their normal PBX extensions.

Mobile Extension is a part of the Aastra telephony system that allows cellular users to be an integral part of the corporate communication society. The harmonized communication set-up brings numbers of benefits to all categories of users, including customers, as they communicate with people within the organization.

This client solution complements the existing ways of using Mobile Extension, i.e. intelligent routing functionality in the cellular operator network, or through step-wise call set-up in the phone. If done in the phone, it can be performed manually or more or less automatically, depending on the phone used.

Sony Ericsson's Symbian-based phones are equipped with a feature called Corporate Telephony. This feature is integrated into the phone to support the use of Mobile Extension.

With the introduction of Mobile Extension Client, the same type of support for Mobile Extension is now also provided to most of the Symbian-based phones found on the market today. With this support, the client application in the phone can handle the call set-up and routing for Mobile Extension automatically and transparently to users.

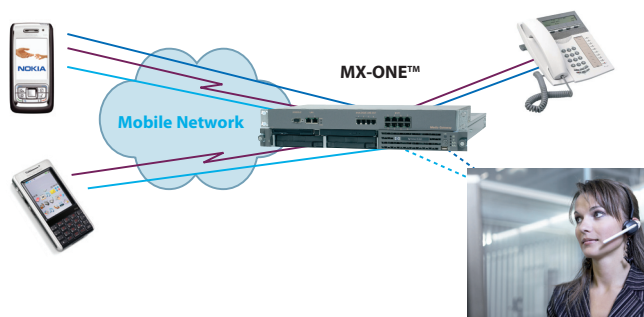
Users now have a wide range of cellular phones supporting Mobile Extension to choose among—from mid-range phones up to high-end smartphones and dedicated enterprise phones.

Good usability is fundamental to the utilization and value of any mobile solution. With Mobile Extension Client, users and customers now have two very strong alternatives when deploying a Mobile Extension/One phone solution.

With the routing capabilities of the phones enabled by Mobile Extension Client, implementation is independent of availability and prices of routing services from cellular operators. Customers can also continue to use private networks, and use Least Cost Routing services for parts of the cellular calls.

Mobile Extension

Mobile Extension is the service in the Aastra PBX that integrates cellular phones into the corporate PBX and communication network. A call set-up on a Mobile Extension user's cellular phone is executed in three steps. A call is first established from the cellular phone to the PBX; thereafter a call is established from the PBX to the final destination; finally, the two calls are linked together as one.



Mobile Extension Client

Mobile Extension Client is an application that is installed on the phone, similar to an application on a PC. Once installed and started, the program is active. A small icon indicating the applications status is the only thing users will see.

When the user sets up a call, he or she dials the number as usual (via the keypad, the call log or via the phone book). At this point in the set-up, the Mobile Extension Client application checks if the dialed number should be routed directly or via the PBX. If the call is to be set up directly, it is handled as a standard GSM call. But if the call is to be routed via the PBX, the client application will first dial the PBX and authenticate itself. Next, it initiates the second and third parts of the call set-up until the entire call is in place. This three-step set-up is made automatically and hidden from the user by the client application.

When receiving calls via the user's office number, the PBX routes the calls to the cellular phone. No interaction with applications on the phone is needed.

If the user for any reason does not want to use the Mobile Extension function for an outgoing call, he or she can easily deactivate the client application. The call is then established as a standard cellular call.

In addition, the application detects when the user is outside the operator's network (normally, this is when the user is abroad). This information can be used to automatically deactivate the client, to optimize costs when roaming in other operator networks or when the user is abroad.

Installation and Configuration

Mobile Extension Client is an application that runs on the Symbian OS. To enable the application, it has to be installed on the phone and configured with the right data. Installation and configuration of the relevant data is handled centrally by the distributor. Delivery and installation of the application software and configuration data is done Over-the-Air via GSM/SMS and GPRS.

Once installed, Mobile Extension Client will work on its own with no central connection needed.

Supported Phones

The application runs on the Symbian operating system and has been adapted to the user/application-interfaces:

- UIQ from Symbian (used by Sony Ericsson)
- Series 60 from Nokia (standard phones)

Ask your distributor for a list of currently supported phones.

Cellular network requirements

- Standard GSM subscription (post- or pre-paid)
- GPRS service available and activated in the phone
- Correct Calling Line Identification Presentation (CLIP) delivered from the cellular operator to the PBX