

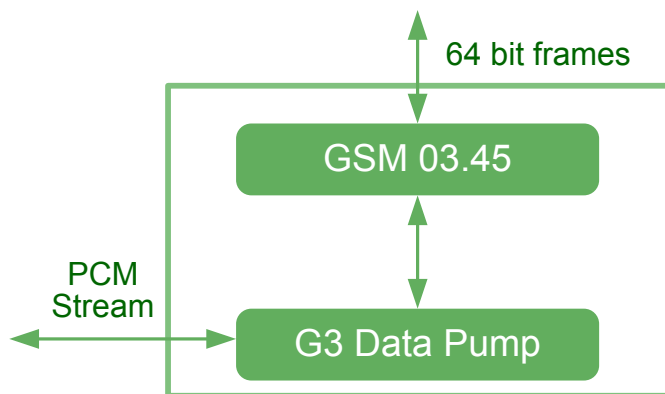
SPIRIT GSM Fax Gateway

SPIRIT GSM Fax Gateway software is used to perform G3 fax transmission over mobile network in compliance with the GSM 03.45 recommendation. GSM Network is used for transparent interconnection of G3 fax equipment (teleservice 61 and 62).

The GSM facsimile service is intended to allow facsimile connections between G3 fax equipment using:

- a GSM PLMN (Public Land Mobile Network) as a stand alone facility, for mobile to mobile communication;
- a GSM PLMN to gain access to fixed networks PSTN and ISDN, for mobile to/from land communication.

In the basic case, this appears as a fax adapter plugged into a mobile device on one side, and integrated into a mobile switching center on the other. SPIRIT offers GSM Fax Gateway software to embed into both of these sides (see application scheme).



The algorithm contains G3 data pump and GSM 03.45 fax relay. The GSM 03.45 fax relay fully controls the external G3 data pump and implements a high-level logic required for transparent conveying of facsimile data according to the GSM 03.45 recommendation. It provides a unified interface, so that the user does not need to run and control the G3 pump at all. The library is fully XDAS-compliant, runs as a single algorithm, and only requires an external G3 data pump to be included into the project and registered before GSM 03.45 creation.

Features

- Both FA/MT and FA/IWF modes supported
- Handling of tone signal (after direction has been determined)
- CMM (Channel Mode Modification) procedure
- Framing and synchronous bit stream processing
- Enhanced deframer for error-prone PLMN connection
- Both ECM (Error Correction Mode) and non-ECM modes supported

Benefits

- Easily portable
- Handling of tone signal (after direction has been determined)

Key Features

- GSM 03.45 compliant
- Both FA/MT and FA/IWF modes supported
- Both ECM (Error Correction Mode) and non-ECM modes supported

Applications

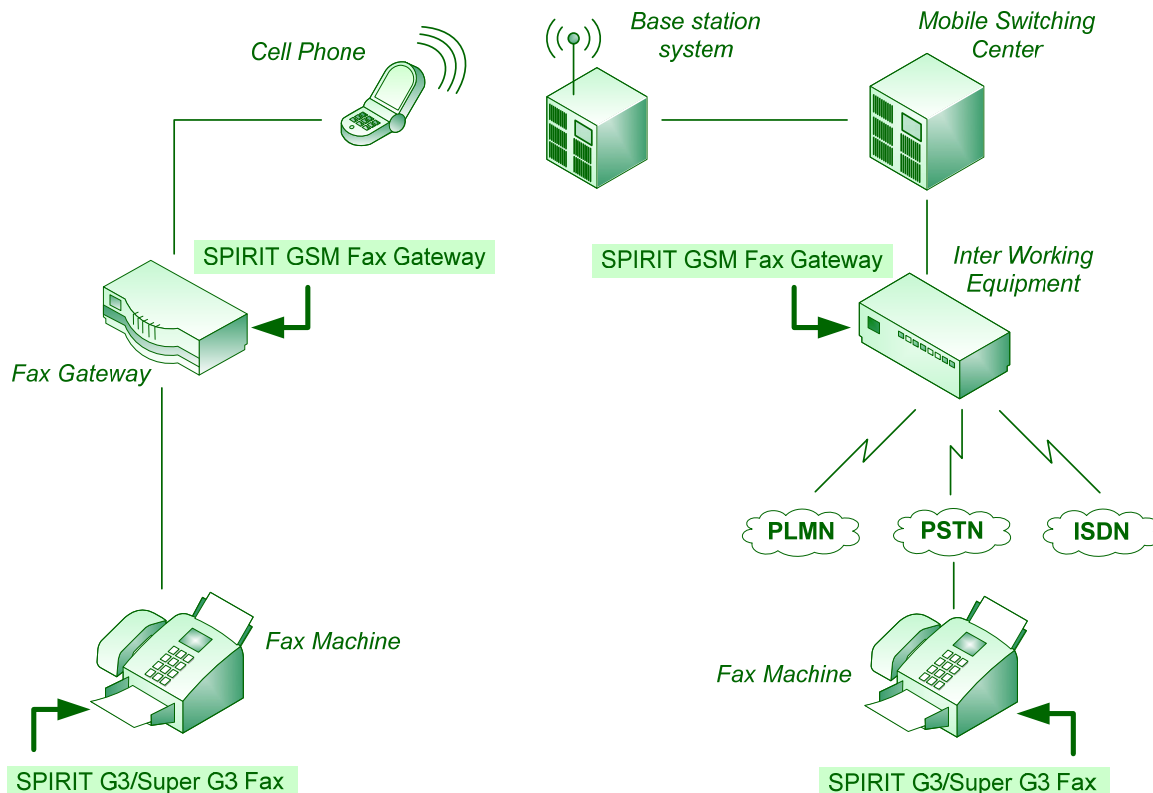
- Fax Gateways
- Interworking equipment into MSC

Availability

- TI C54xx Call
- TI C55xx Call
- TI C64xx Now
- PC Now

GSM Fax Gateway Applications

GSM Fax Relay



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