



USSD Gateway

The **Unstructured Supplementary Service Data (USSD)** allows cost-effective, interactive communication between subscribers and applications across a UMTS/GSM network. Its functionalities make it ideal for information queries like available balance, content downloading and any information services.

How it works

The LeibICT USSD Gateway is a carrier-grade system to integrate with many USSD applications and at the same time minimizes **cost and maintenance of multiple information systems**. Its HTTP, XML/TCP/IP and provided Java and C++ client libraries reduce the time of development and lets you concentrate on the service itself, not on the protocols.

The AES-256bit/RSA-4096bit channel encryption, a **unique feature**, makes the USSD Gateways **secure and ideal for banking and billing applications**.

USSD is primary used on real-time and instant messaging type phone services because there is no store-and-forward of messages typical of the short message services (SMS). The response time for a USSD request is measured between 100 and 200ms compared to the 5-10 seconds of SMS.

Benefits

- Reduces operational costs
- Instant information response to users
- Multiple applications connected to the same GW
- Reliability/Redundancy
- AES/RSA Security
- Reduces SMSC loading of interactive applications, freeing up resources
- Fast and easy deployment and maintenance

Features

- UMTS/GSM Network Support
- High Performance (+500 transactions/sec)
- 128 LSL, 4 HSL/ATM or HDLC
- Sigtran Support (100Mbit/1Gbit)
- Up to 1024 USSD Applications (short codes)
- O&M Web Interface
- SNMP v1 and v2 Traps
- Up to 4x redundancy
- Linux and Solaris Support

