

**Gigaset**

**HTTP Reference**

# **XHTML Gigaset Profile**

**HTTP Reference**

**Version 1.2**

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## **1 Introduction**

### **1.1 Purpose of the Document**

The purpose of this document is to define the HTTP reference for the XHTML Gigaset Profile;

### **1.2 Validity of the document**

This document is valid for the specification of the interface to both the Interactive Info Center as well as to the Info Screensaver for the realization of Gigaset Web Services.

## 2 HTTP reference

### 2.1 Authorization

Authorization is done directly at the first request sent to the HTTP-server. The server responds with "401 Unauthorized" and sends the authentication data to the client. The request has to be repeated, extended with authentication data (see examples).

In the following requests the client can directly use these authentication data, until it has expired (after a fixed timeout, typically 1 hour). After that time HTTP-server will again respond with "401 Unauthorized" and send new authentication data to the client.

```
GET http://www.gigaset.net/servlet.do?command=.....HTTP/1.1
User-Agent: C455 IP R020770000000
Host: www.gigaset.net
```

```
HTTP/1.1 401 Unauthorized
WWW-Authenticate:Digest realm="gigaset.net",
    nonce="2356561841-9a875d65f56d5c6b45a6d5d56b45a5d4",
    qop="auth,auth-int"
```

```
GET http://www.gigaset.net/servlet.do?command=.....HTTP/1.1
User-Agent: C455 IP R020770000000
Host: www.gigaset.net
Authorization:Digest username="user@gigaset.net",
    realm="gigaset.net",
    nonce="2356561841-9a875d65f56d5c6b45a6d5d56b45a5d4",
    URL="/servlet.do?command=.....",
    qop="auth",nc="00000001",cnonce="78F86D5A",
    response="565a6d5455f6a45c55b6d5a45f5c5b51",
    opaque=""
```

```
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
...
```

### 2.2 Redirection

The Gigaset system supports temporary redirection.

### 2.3 HTTP Methods

The Gigaset system always uses the 'GET' method.

The URL to a domain has to have at least one '/' after the domain, e.g. [www.gigaset.com](http://www.gigaset.com) has to be written as [www.gigaset.com/](http://www.gigaset.com/).

## 2.4 HTTP Parameters

In order to provide the server with information about the requesting client, the following mechanisms are used:

- Identify the client via the the User Agent string (`HTTP_USER_AGENT`)
- Transfer dynamic data as URL parameters

### 2.4.1 Header Parameters

#### User Agent String

The User Agent String (`HTTP_USER_AGENT`) contains information about the client. Since the client capabilities are given by the combination of handset and basestation, the User Agent String is a combination of information about base station and handset.

Format of User Agent String:

```
"<brand_name> <device_info(basestation)> <device_info(handset)>"  
device_info          = "<product name>1 [<product specifier>]2"  
product_specifier   = "<device_type>.<firmware_version>.<article_code>"
```

<sup>1</sup> special values are provided for legacy handsets, see Annex B

<sup>2</sup> available for handsets of portfolio 2008 and later

Example:

```
User-Agent: Gigaset C675IP 045.025.000000 S67H 02.077.0000000
```

## 2.4.2 URL Parameters

The Gigaset system transfers dynamic parameters with every HTTP request in the following way:

```
http://192.168.2.169/example.html?####1=value1&####2=value2
```

These parameters can be used by the server application to return XHTML-GP pages regarding to the context of the requesting system.

### Language

Parameter name: lang

Parameter values: defines the display language as specified in the handset settings, values see Annex A

### Country Code

Parameter name: cc

Parameter value: defines the country code as specified in the basestation settings values according to ITU-T recommendation E.164 **Fehler! Verweisquelle konnte nicht gefunden werden.**

### Handset ID

The handset ID is used to identify the handset that currently requests the XHTML pages and can be used for personalization issues.

Parameter name: ppid

Parameter values: defines the internal subscriber number of the handset  
range: 0..99

### Date and Time

Parameter name: dt

Parameter values: defines the date and time as specified in the basestation  
coding: `yyyymmddhhmm`

### MAC address

Parameter name: mac

Parameter value: defines the Ethernet MAC address of the basestation  
coding: `01-23-45-67-89-ab`

## Provisioning ID

Parameter name: `provid`

Parameter value: defines the provisioned software variant  
coding: 123



## Annex

### A. Language Codes

Value	Meaning	Value	Meaning
0	Undefined	20	Brasilien Portuguese
1	US	21	Numeric
2	German	22	Slovakian
3	English International	23	Russian <sup>1</sup>
4	Spanish	24	Greek <sup>1</sup>
5	Portuguese	25	Hungarian
6	Scandinavia	26	Croatian
7	Italian	27	Slovenian
8	Greek	28	Romanian
9	French	29	Serbian
10	Dutch	30	Bulgarian
11	Norwegian	31	Hebrew <sup>1</sup>
12	Danish	32	Chinese
13	Swedish	33	Arabic <sup>1</sup>
14	Finnish	34	Persian <sup>1</sup>
15	Czech	35	Turkish <sup>1</sup>
16	Turkish	36	Catalan
17	Polish	37	Bosnian
18	Canadian French	38	Ukrainian <sup>1</sup>
19	Mexican Spanish		

**Table 1: Language Codes**

---

<sup>1</sup> In this mode only ASCII characters are supported

## B. Handset Product Names

Some legacy handsets do not provide a `<product_specifier>` for the `<device_info>` field in the User Agent String, but only a generic `<product_name>`. The following table describes the meanings of these special values.

Value	Meaning
SL37S45C47	Specifies one of the following legacy handsets and does not allow any further distinction: <ul style="list-style-type: none"><li>- Gigaset SL37H</li><li>- Gigaset S45</li><li>- Gigaset C47H</li></ul> All handsets have 6 display lines.
SL55S67	Specifies one of the following legacy handsets and does not allow any further distinction: <ul style="list-style-type: none"><li>- Gigaset SL55</li><li>- Gigaset SL56</li><li>- Gigaset S67H</li><li>- Gigaset S68H</li></ul> All handsets have 8 display lines.
S67H	Gigaset S67IP

**Table 2: Handset Product Names**

## **C. Bibliography**

- [1] XHTML GP 1.0 Protocol Specification, "xhtml-gp 1.0.pdf"  
Protocol Specification for Info Screensaver
- [2] XHTML GP 2.0 Protocol Specification, "xhtml-gp 2.0.pdf"  
Protocol Specification for Interactive Infocenter
- [3] XHTML GP User Agent Specification, "xhtml-gp uas.pdf"  
User Agent Specification for implementation details