

## DATA SHEET

## Loop21 Hotspot Server Software V.1

The Loop21 Hotspot Server Software V.1 serves as a base for operating an Internet hotspot (e.g. a Wi-Fi area). The main benefit of the software is to offer your customers a secured internet access (Triple-A: authentication, authorization, accounting). This basis can flexibly be extended by a range of affordable modules and add-ons, which make the internet service easy-to-use. The perfect, individual mix leads to a unique competitive advantage for the provider.



### Product description

More than ever, the providers, who offer public internet access over so-called hotspots, e.g. via Wireless LAN (WLAN), have to consider all legal obligations as well as technical aspects. These needs, such as the security, the compatibility and the capacity are fully met by Loop21.

The Loop21 Hotspot Server Software V.1 is the central element for a multi-client hotspot system. It runs on the Loop21 Hotspot Server, whose hardware is compatible to the software requirements. This high-quality combination serves the stable fundament for a running hotspot system.

The Loop21 hotspot system provides a flexible hotspot management platform which controls the user administration, accounting and logging. The user interface is easy-to-use and serves optimal usability. So, the user can log into the Internet very fast. The system is designed for every common mobile and desktop device. In the back, the system authenticates every single user via their mobile number, authorises them the access (limited by time and/or data tariffs) and logs every activity (time stamps). Amongst others:

The Loop21 Hotspot Server Software V.1 can be extended by various modules, such as payment, entertainment, location-based services, etc. (more information see below).

#### KEY FEATURE HIGHLIGHTS

- » State of the art
- » Offering secured internet access
- » Highly scalable and flexible system
- » Easy-to-use
- » Modular



## Technical features

### AUTHENTICATION & USAGE

- » Central user and tariff management (time and data credits)
- » Self-sign-up: registration via text message
- » Various payment and billing modules (see below)
- » SQL authentication interface / RADIUS authentication mode
- » Secure HTTPS Server
- » Accounting & Logging (central data retention for legal security)
- » SMTP roaming
- » Status announcement page
- » User interface and administration platform
- » Dynamic multiple languages support
- » Automatically account clearing
- » Improved mobile device support on all common smartphones (Blackberry, Android, Nokia Symbian, iPhone, iPad, etc.)
- » Walled garden
- » Statistics in chart and table view
- » Location-based services (LBS) & entertainment modules (see below)

### NETWORK, SECURITY & OPERATIONS

- » Authentication by username/password login (AAA)
- » Global and per-user bandwidth throttling (Data transfer quota / tracking)
- » Rate control (traffic shaping and management)
- » NAT related features (Option to disable NAT, ProxyARP support)
- » Multi-client support (Client passthrough possible)
- » Capacity guarantee: large number of simultaneous connections
- » IP and Port Filtering
- » DHCP server excluded IP and static IP-MAC mapping
- » Adaption for the wi-fi hardware (access points certified by Loop21)
- » Live updates & remote maintenance / monitoring
- » Fully-fledged operation by Loop21
- » Flexible licensing: “pay as you grow”

## Screenshots (login + registration)



## Possible modules and add-ons

The Loop21 Server Software provides the essential features, which are necessary, when you provide a state-of-the-art internet hotspot. By integrating one or more of the following modules and add-ons, the software can “pimp” it and assure the inimitability of your service as well as the following improvement of the customer acceptance.

### MODULE / ADD-ON

- » Prepayment module
- » Infotainment module
- » Statistics module

### BENEFITS

To sell the internet access easily, it is necessary to implement this module. There are various options: voucher lists (for scratch cards), interfaces to payment services (Paypal, MPay24), etc.

A brand-new product line of Loop21 is location-based service (LBS). The users are led to an interactive landing page, which can be designed location-dependant. So, customised information is pushed directly to the user's mobile device.

Industry-specific product add-ons:

- » Mountainment® for touristic areas in the mountains
- » Parktainment™ for amusement parks
- » Centertainment™ for shopping malls

Nowadays, the best service cannot be valued without the best product placement. For marketing and project planning issues, statistics are irreplaceable. Therefore, the statistics module presents the missing puzzle piece in the context of offering a modern service.

## Contact information

For more information, feel free to contact us:

**Loop21 Mobile Net GmbH**

Viktor Kaplan Str. 9B, A-2201 Gerasdorf b. Wien, Austria, Europe

**Tel.: +43 (0)1 292969966**

**E-mail: [office@loop21.net](mailto:office@loop21.net)**

**Web: [www.loop21.net](http://www.loop21.net)**

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