

# Endian Hotspot Virtual

## Fast and secure Internet access



The Endian Hotspot Virtual is the ideal Internet access solution for companies that virtualize all their IT applications. The appliance, fully compatible with the most popular hypervisors and available in different sizes, offers the same features and performances as the hardware appliances of the same size.

### Internet bandwidth management

A slow connection is a real nightmare for anyone that offers Internet access to visitors. Now you can restrict your users bandwidth thus saving enough for others and providing a high quality service.

### SmartLogin remembers you

A useful feature for all your customers. When a user closes and opens again the connection, the Hotspot automatically recognizes him, without asking again for log in.

### Integrated marketing platform

The Endian Hotspot is not only a service for your customers, but a smart tool to promote your activity as well. The captive portal is completely customizable: highlight special offers and ongoing promotions, show your visitors your added value.

### Fully compatible with all mobile devices

No matter which configuration a mobile device has: the Hotspot recognizes and grants access to smartphones, tablets and any other similar device.

Versions	Available Subscriptions
Endian Hotspot Virtual 150	50 - 150 concurrent users
Endian Hotspot Virtual 500	200 - 500 concurrent users
Endian Hotspot Virtual 1500	750 - 1500 concurrent users



Safe WiFi connection



Marketing Platform



Social Login

# Endian Hotspot Features

## Hotspot

User Management
<ul style="list-style-type: none"> <li>Authentication through                             <ul style="list-style-type: none"> <li>Local or external RADIUS</li> <li>LDAP / Active Directory</li> <li>Google / Facebook</li> </ul> </li> <li>MAC-address accounts</li> <li>User accounts import/export</li> <li>User password recovery</li> <li>Social Login (Facebook / Google)</li> <li>User auto-creation through e-mail or SMS (SmartConnect)</li> <li>Bandwidth limitation per user</li> <li>Configurable multiple logins per user</li> </ul>
Configuration and Integration
<ul style="list-style-type: none"> <li>Social Enabler (sharing on social networks)</li> <li>Multi-location setup through master/satellite configuration*</li> <li>Configurable captive portal</li> <li>Customizable templates</li> <li>WYSIWYG editor with multimedia file upload</li> <li>Multi-language support</li> <li>Configurable access to allowed sites (walled garden)</li> <li>Configurable mandatory Terms of Service confirmation</li> <li>Bandwidth limiting based on user, ticket or global settings</li> <li>JSON API for external accounting and third party integration</li> <li>Integration with property management systems ASA HOTEL, pcs phoenix</li> </ul>
Accounting and Ticketing
<ul style="list-style-type: none"> <li>Integrated RADIUS service</li> <li>Integrated accounting based on tickets</li> <li>Payment service through credit card and PayPal</li> <li>Freely configurable ticket rates</li> <li>Pre-/postpaid and free tickets</li> <li>Time-/traffic-based tickets</li> <li>Cyclic/recurring tickets (daily, weekly, monthly, yearly)</li> <li>Single-click ticket generation (Quick ticket)</li> <li>Configurable ticket and account validity</li> <li>MAC address tracking for free hotspots</li> <li>Remember user after first authentication (SmartLogin)</li> </ul>

## Networking

Uplink Management
<ul style="list-style-type: none"> <li>Multiple WAN uplink support</li> <li>Multiple public IP addresses</li> <li>Automatic WAN uplink failover</li> <li>Monitoring of WAN uplinks</li> <li>Uplink types: Ethernet (static/DHCP), PPPoE, PPTP</li> <li>Support for 3G / 4G USB dongles</li> </ul>
Networking Features
<ul style="list-style-type: none"> <li>Separated network zones</li> <li>Quality of service and bandwidth management</li> <li>VLAN support</li> <li>Stealth mode</li> <li>OSI layer 2 firewall functionality</li> <li>Spanning tree</li> <li>Automatic client network configuration (DHCP / static IPs)</li> <li>Wired and wireless connections in the hotspot are supported</li> <li>NTP (Network Time Protocol)</li> <li>DHCP server</li> <li>Dynamic DNS</li> </ul>
Network Address Translation (NAT)
<ul style="list-style-type: none"> <li>Destination NAT</li> <li>Incoming routed traffic</li> <li>One-to-one NAT</li> <li>Source NAT (SNAT)</li> </ul>
Routing
<ul style="list-style-type: none"> <li>Static routing</li> <li>Source-based routing</li> <li>Destination-based routing</li> <li>Policy-based routing</li> </ul>

## Security


Threat Protection
<ul style="list-style-type: none"> <li>Stateful packet firewall</li> <li>Application control</li> <li>SYN/ICMP flood protection</li> <li>DNS proxy/routing</li> <li>Anti-spyware</li> <li>Phishing protection</li> <li>Transparent HTTP/HTTPS web filtering</li> <li>Cyren URL filter with 140 million categorized URLs</li> <li>SafeSearch enforcement</li> <li>Time based access control with multiple time intervals</li> <li>Anti-virus</li> </ul>
VPN
<ul style="list-style-type: none"> <li>OpenVPN</li> <li>Native VPN client app for Microsoft Windows and Apple OS X</li> <li>Support for mobile devices (Android, iOS)</li> <li>Support for VPN over HTTP Proxy</li> <li>VPN client-to-site (roadwarrior)</li> <li>VPN failover</li> <li>VPN user and group management</li> </ul>
Encryption
<ul style="list-style-type: none"> <li>SSL-encrypted captive portal</li> <li>SSL-encrypted administration interface</li> <li>SSL-encrypted VPN connections between master and satellite systems</li> <li>Encrypted backups via email</li> </ul>

## Management Interface

Logging and Reporting
<ul style="list-style-type: none"> <li>Reporting dashboard</li> <li>Detailed system, web and virus reports</li> <li>Hotspot connection logging</li> <li>Live network traffic monitoring (powered by ntopng)</li> <li>Live log viewer</li> <li>Detailed web access report</li> <li>Network/system/performance statistics</li> <li>Rule-based logging settings (firewall rules)</li> <li>Syslog: local or remote</li> <li>OpenTSA trusted timestamping</li> <li>Email Notifications</li> <li>SMS Notifications</li> </ul>
Administration
<ul style="list-style-type: none"> <li>Centralized management through Endian Network</li> <li>Easy web-based administration</li> <li>Multi-language web-interface</li> <li>Secure remote SSH/SCP access</li> <li>Serial console</li> <li>Centralized updates through Endian Network</li> <li>Scheduled automatic backups</li> <li>Instant recovery / Backup to USB stick (Endian Recovery Key)</li> <li>Different user roles for administrator, hotspot administrator and hotspot account editor</li> </ul>

\* Master functionality only in Endian Hotspot 500 or higher

## Endian Hotspot Virtual

System Requirements	
<b>CPU</b>	Intel x86_64 compatible / 1GHz Minimum (Dual-core 2 GHz Recommended)
<b>Multi-Processor</b>	Symmetric Multi-Processor (SMP) support included
<b>RAM</b>	2GB Minimum (4 GB Recommended)
<b>Disk</b>	Support for full virtualization and paravirtualization / 20GB Minimum (50 GB Recommended)
<b>CD-ROM</b>	Physical and virtual drives as supported by the hypervisor
<b>Network Cards</b>	3 Virtual NICs Minimum / Support for full virtualization and paravirtualization
<b>Operating System</b>	Endian UTM includes a Hardened Linux-based Operating System
<b>Hypervisors</b>	

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