

# AG 5000

**A HIGH PERFORMANCE, STAND-ALONE SOLUTION FOR LARGE PUBLIC ACCESS VENUES.**

Capable of supporting thousands of simultaneous users, the AG 5000 is a high performance platform designed for deployment in large venues such as hotels, airports, convention centers and municipal HotZones.

## AT-A-GLANCE

- Powered by the Nomadix Service Engine™ (NSE) Core Software and available Modules
- High performance networking device for large venue deployments
- Transport agnostic, capable of supporting either wired or wireless networks
- Supports up to 2,000 simultaneous users (sold in 250 increments)

## CUSTOMER ACQUISITION

- Our patented Dynamic Address Translation™ (DAT) technology offers transparent network connectivity by resolving IP configuration and browser proxy issues
- Enables HotSpot owners to offer a user-friendly service while reducing provisioning and technical support costs

## SERVICE PROVISIONING

- Home Page Redirection intercepts the user's browser settings and directs them to a Web site for secure sign-up or log-in
- Pre, Post and Goodbye redirection capabilities provide maximum branding flexibility for both providers and HotSpot owners

## ACCESS CONTROL

- Allows access to a pre-determined "Walled Garden" area of the Internet prior to authentication while providing an additional layer of security in the network by blocking access to the Internet until the user has been authenticated
- Gain incremental revenues from e-commerce sites, applications or content providers before the user purchases access

## MULTIMODE AUTHENTICATION

- Supports secure, browser-based authentication over SSL while simultaneously supporting IEEE 802.1x and Smart Clients
- Providers can support the widest range of authentication, wholesale and roaming options

## BILLING ENABLEMENT

- Supports a wide variety of billing models using credit cards, scratch cards or monthly subscriptions – then bill by time, volume or bandwidth
- Public Access Service Operators (PASOs) and Venue Owners can generate revenue at every touchpoint with the user – before, during, and after the connectivity purchase as well as support roaming users

## ADVANCED SECURITY

- Patent-pending iNAT™ functionality offers unmatched VPN support
- Session Rate Limiting (SRL) and MAC filtering capabilities significantly reduce the risks of Denial of Service (DoS) attacks protecting the very edge of the network

## MANAGEMENT

- Includes IPSec client for secure remote management and built-in Web Management Interface and CLI where various levels of administration can be set along with extensive SNMP support
- Remotely manage a large number of devices using standards-based tools, keeping the cost of deployment and maintenance down

## PRODUCT OVERVIEW



## AVAILABLE MODULES

### Hospitality Module

- Property Management Interface

### Credit Card Module

- Credit Card Interface

### Wholesale Roaming Module

- NAI Routing

### High-Availability Module

- Fail-Over

For more information on the NSE<sub>CORE</sub> and available Modules, visit [www.nomadix.com](http://www.nomadix.com).

  
**NOMADIX™**  
AG 5000



HOTSPOT  
TYPES



# AG 5000

## SPECIFICATIONS

### PUBLIC ACCESS:

Dynamic Address Translation™ (DAT)  
Home Page Redirection  
(Pre and Post Authentication / Goodbye)  
iNAT™ (for seamless VPN connectivity)  
SMTP Redirection  
Full Authorization, Authentication and  
Accounting Support  
RADIUS Client / Proxy  
Bandwidth Management  
Information and Control Console  
Global Roaming Support

### MEDIA ACCESS CONTROL:

CSMA/CA

### PORTS:

10/100Base-T Ethernet, RJ-45 (UTP): Network  
2-10/100Base-T Ethernet, RJ-45 (UTP): Subscriber  
DB9 serial: Management Port/Property  
Management Interface

### NETWORKING:

IEEE 802.3 / 3u  
IEEE 802.1d  
DHCP Server  
DHCP Relay  
RADIUS Client (MD-5, PAP, CHAP,  
MS-CHAPv1, v2)

### SECURITY:

iNAT™  
MAC Address Filtering and Session Rate  
Limiting

### AUTHENTICATION:

Internal Database  
Universal Access Method (UAM) using SSL  
Smart Client Support (Boingo Wireless,  
iPass, GoRemote)  
IEEE 802.1x (MD-5 / TLS / TTLS / PEAP)

### MANAGEMENT:

Multi-Level Administration Controls  
Integrated VPN Client (IPSec) for secure  
connection to a NOC  
Access Control Lists  
SNMPv2c  
Secure XML API  
Auto Configuration and Upgrades  
Syslog/AAA Log

### POWER:

100 to 250 VAC  
47/63 Hz

### ENVIRONMENT:

Operating temperature: 5 - 40°C  
Operating humidity: 20 - 90% RH  
non-condensing  
Storage temperature: 0 - 70°C  
Storage humidity: 5 - 95% RH

### REGULATORY:

FCC Class B, Part 15  
CE Mark  
CENELEC EN 55022: 1998 Class B  
CENELEC EN 60950  
UL Std 1950  
CSA22.2 No. 950

### PHYSICAL:

1U, standard 19 inch rack  
10.00"(L) x 10.00"(D) x 1.73"(H)  
254cm(L) x 254cm(D) x 44cm(H)  
Weight: 5 lbs.  
Weight: 2.27 Kg

### LEDS:

Power Indicator  
10/100 ACT/LINK for each Ethernet port

### PERFORMANCE:

User Support: Up to 2,000 concurrent users  
Throughput: 97Mbit/s\*



### NOMADIX INTERCONNECT SERVICES

Nomadix Interconnect Services™ (NIS) create a large, managed roaming footprint for Public Access Service Operators (PASOs) and venues to connect with nomadic subscribers, regardless of their location. NIS also offers applications and content delivery such as partner branded services, VOIP and advertising. To learn more visit [www.nomadix.com](http://www.nomadix.com).

\* As defined by RFC 1242, Section 3.17

Nomadix Service Engine, Dynamic Address Translation and iNAT are trademarks or registered trademarks of Nomadix, Inc. Other names and brands may be claimed as the property of others.

### ORDERING INFORMATION:

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