

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 CORE and available Modules, visit www.nomadix.com.



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)
254mm(L) x 254mm(D) x 44mm(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.

* As defined by RFC 1242, Section 3.17

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