

AG 2100

A SUPERIOR, INTEGRATED SOLUTION FOR SINGLE OR DUAL CELL HOTSPOT LOCATIONS.

The Nomadix AG 2100 is a cost-effective, integrated Wireless Gateway that combines our Nomadix Service Engine™ (NSE) software with a powerful Wi-Fi™ Access Point for maximum range and coverage.

AT-A-GLANCE

- Powered by the Nomadix Service Engine Core Software and available Modules
- Integrated Wi-Fi™ HotSpot connectivity device for single or dual cell venue deployments
- Dual band, dual-mode device supports IEEE 802.11b/g standards for rollout flexibility

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 allowing providers and HotSpot owners to create billing plans using credit cards, scratch cards or monthly subscriptions
- 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

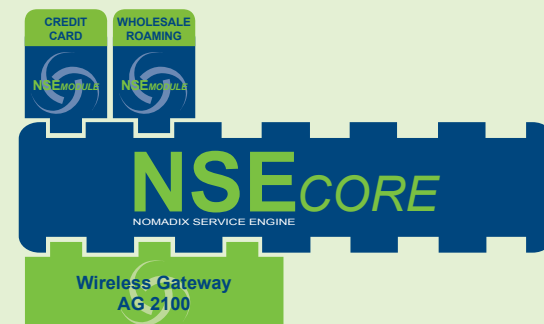
ADVANCED SECURITY

- 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
- Supports 64/128-bit WEP security and dynamic generation of session keys for protection of data
- Supports WPA/WPA2 (802.11.i) Personal and Enterprise with TKIP and AES/CCMP cipher

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

Credit Card Module

- Credit Card Interface

Wholesale Roaming Module

- NAI Routing

For more information on the NSE CORE and available Modules, visit www.nomadix.com.



HOTSPOT TYPES



AG 2100

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
Bandwidth Management
Information and Control Console
Global Roaming Support

MEDIA ACCESS CONTROL:

CSMA/CA

PORTS: BASE-T

10/100Base-T Ethernet, RJ-45 (UTP): Network
10/100Base-T Ethernet, RJ-45 (UTP): Subscriber

WIRELESS:

802.11b Specifications:

Frequency Band: 2.4GHz - 2.4835GHz

Data Rates: 11, 5.5, 2, 1 Mbps

Modulation: Direct Sequence Spread
Spectrum (CCK, DQPSK, DBPSK)

802.11g Specifications:

Frequency Band: 2.4GHz - 2.4835GHz

Data Rates: 54, 48, 36, 24, 18, 12, 6 Mbps

Modulation: Orthogonal Frequency Division
Modulation (64 QAM, 16 QAM, QPSK, BPSK)

NETWORKING:

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

SECURITY:

64-bit/128-bit WEP with dynamic keying
iNAT™
WPA/WPA2 (802.11i) Personal and
Enterprise
MAC Address Filtering and Session Rate
Limiting

ANTENNA TYPE:

802.11b/g: 2dBi
Detachable Reverse SMA

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 240 VAC
50/60 Hz

ENVIRONMENT:

Operating temperature: 0 - 40°C
Operating humidity: 10 - 90% RH
non-condensing
Storage temperature: -20 - 65°C
Storage humidity: 5 - 95% RH
non-condensing

REGULATORY:

FCC Class B, Part 15
CE Mark
CE/R&TTE: EN300328, EN301893,
EN301489-1, EN301489-17
VCCI Class B
Telec
CSA22.2 No. 950

COMPATIBILITY:

Communicates with all Wi-Fi certified
wireless adapters

PHYSICAL:

9.25(L) x 6.25(D) x 1.5(H) inches
91.2(L) x 54(D) x 36.4(H) mm
Weight: 1.25 lbs.
Weight: 567 grams
Wall Mountable

LEDS:

Power Indicator
10/100 ACT/LINK: Network
10/100 ACT/LINK: Subscriber
802.11b/g ACT/LINK: Subscriber



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.

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:

Model: AG 2100


N O M A D I X™

Corporate Headquarters
1100 Business Center Circle
Suite 100
Newbury Park, CA 91320

Toll Free: +1.800.666.2349
Phone: +1.818.597.1500
Fax: +1.818.597.1502
www.nomadix.com