

Universal Subscriber Gateway II™ (USG II)

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

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

AT-A-GLANCE

- Powered by the Nomadix Service Engine 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
- Providers and HotSpot owners can generate revenues 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
- 2-Way Property Management Interface
- Bill Mirror

Credit Card Module

- Credit Card Interface
- Bill Mirror

Wholesale Roaming Module

- NAI Routing

High-Availability Module

- Fail-Over

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



Universal Subscriber Gateway II™ (USG II)

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
10/100Base-T Ethernet, RJ-45 (UTP): Subscriber
1 DB9 serial: Management Port
1 DB9 serial: 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, GRIC)
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 260 VAC w/ +/-10% margin
50/60 Hz w/ +2%, -4% margin

ENVIRONMENT:

Operating temperature: 0 - 50°C
Operating humidity: 5 - 90% RH
non-condensing

REGULATORY:

FCC Class B, Part 15
CE Mark
CISPR 22: 1997 Class B
ETL USA (Conforms to UL Std 1950)
CSA22.2 No. 950

PHYSICAL:

2U, standard 19 inch rack
Weight: 12 lbs.
Weight: 5.2 Kg

LEDS:

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

PERFORMANCE:

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

PUT NOMADIX AT THE EDGE AND LEVERAGE YOUR CENTRALIZED PROVISIONING SYSTEM:

- Maximize customer acquisition and retention
- Secure the very edge of your network by mitigating DoS attacks
- Support any type of authentication mechanism
- Support the widest variety of billing, roaming and wholesale models

* As defined by RFC 1242, Section 3.17

Universal Subscriber Gateway II, 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: **USG II**



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