



NOMADIX™

MAKING NOMADIC COMPUTING EASY

ABOUT NOMADIX

Nomadix is the leading provider of solutions that create intelligent public access wired and wireless (Wi-Fi™ and Mesh) networks. Nomadix sells a family of Access Gateways that are powered by the Nomadix Service Engine™ (NSE) Core Software. Available NSE Modules allow you to customize and grow your public access network to fit your specific business needs. Nomadix enables Public Access Service Operators (PASOs) and venues of all kinds to turn the Wi-Fi ecosystem into a revenue-producing service offering.

With over 25,000 units shipped worldwide, the NSE is specifically designed to sit at the edge of the network – leveraging a centralized provisioning system allowing the provider to deploy a cost-effective, secure and easy to use service. The NSE addresses the key issues faced by providers and venues when deploying public access networks and by the end users accessing them.



NOMADIX™

www.nomadix.com

NSE

NOMADIX SERVICE ENGINE

The NSE offers the most comprehensive set of features and functionality and is available on our line of Access Gateways capable of servicing any type of public access network – from the single-cell deployment needing a “HotSpot in a Box” to a large, multi-cell international airport or Metropolitan HotZone.

PUBLIC ACCESS SERVICE OPERATORS

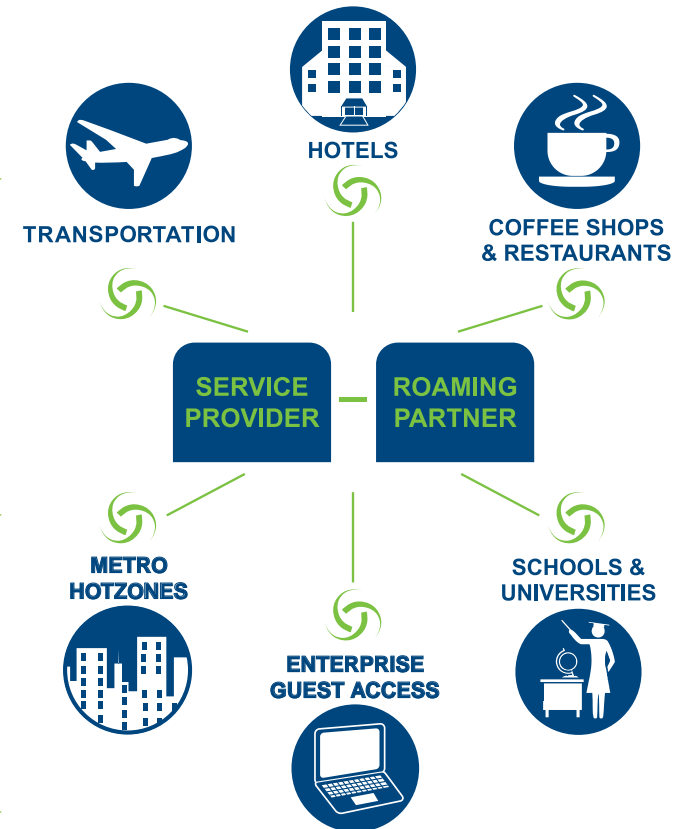
- Leverage a centralized provisioning system to maximize customer acquisition and retention while securing the very edge of the network
- Have maximum flexibility in deployments by supporting the widest range of authentication, billing, wholesale and roaming options
- Maximize revenue from service creation, applications, roaming or wholesaling Wi-Fi service to other providers

VENUE OWNERS

- Use a variety of deployment options from “roll your own” to purchasing wholesale Wi-Fi service from a retail provider
- Augment your branding and venue-specific services or offer access to localized content
- Accept the widest variety of roaming users at the location with limited infrastructure investment

END USERS

- Get a hassle-free connection to the service without changing any configuration settings
- Gain access to local content and applications as part of an advanced service offering
- Pay for services using a variety of mechanisms including credit card, scratch card or by signing up for a subscription-based service
- For hotels, bill to room using the Property Management System



NSE CORE

The NSE Core runs on our family of Access Gateways and has a proven deployment record with over 25,000 units shipped worldwide. Optional NSE Modules are available to further enhance the functionality of the NSE Core.

CUSTOMER ACQUISITION

Nomadix' patented Dynamic Address Translation™ (DAT) technology ensures that everyone gets easy access to the network – without requiring any changes to their computer's settings or special client-side software. This allows providers to acquire any new customer in a cost-effective manner.

SERVICE PROVISIONING

Nomadix' patented Home Page Redirection feature of the NSE intercepts the user's browser settings and directs them to a Web site to securely sign up for service or log-in if they have a pre-existing account. Nomadix offers redirection opportunities both pre- and post-authentication as well as at session termination – providing maximum branding flexibility for the provider and HotSpot owner.

MULTI-MODE AUTHENTICATION AND ACCESS CONTROL

Nomadix simultaneously supports the secure browser-based model of authentication using SSL and IEEE 802.1x, plus proprietary mechanisms used by Smart Clients. The NSE provides maximum flexibility for the provider by supporting any type of client entering their network and any type of business relationship on the back end.

BILLING PLAN ENABLEMENT

The NSE supports a wide variety of billing models allowing PASOs and Venue Owners to create billing plans using credit cards, scratch cards or monthly subscriptions – then bill by a host of different parameters including time, volume or bandwidth.



ADVANCED SECURITY

Our patent-pending iNAT™ feature creates an intelligent mapping of IP Addresses and their associated VPN tunnels. iNAT allows seamless connectivity of multiple VPN tunnels from the HotSpot to the same server, regardless of the configuration of the client or server. Nomadix protects against Denial of Service attacks through Session Rate Limiting, MAC Filtering and ICMP Packet Blocking. Additionally, the NSE supports Tracking Logs for Lawful Intercept initiatives.

POLICY-BASED TRAFFIC SHAPING

The Bandwidth Management feature of the NSE allows usage to be limited on a per-device and per-user basis. This ensures equitable distribution of bandwidth in heavily congested public access networks. Users can also dynamically switch between bandwidth plans, giving the provider opportunity to upsell higher bandwidth plans.

GLOBAL ROAMING

Providers can open up their networks to “roaming” users by allowing the network to make an intelligent decision on how a user is authenticated and billed for the access, allowing the extraction of roaming service revenue.

NSE MODULES

Nomadix offers a series of NSE Modules that can be added to the NSE Core to support vertical billing and roaming applications or add enhanced functionality. NSE Modules can be purchased at any time allowing the NSE to grow as your network evolves.

HOSPITALITY

Our Hospitality Module provides a wide range of Property Management System (PMS) interfaces to enable in-room guest billing for high speed Internet access. This also includes a 2-way PMS interface for in-room billing in a Wi-Fi enabled network and Bill Mirror functionality for posting of billing records to multiple sources. Also supports billing over a TCP/IP connection to select PMS interfaces.

CREDIT CARD

This Module offers a secure interface over SSL to enable billing by credit card. Includes Bill Mirror functionality for posting of billing records to multiple sources.

WHOLESALE ROAMING

Our Wholesale Roaming Module provides advanced NAI (Network Access Identifier) routing capabilities allowing multiple providers to access a HotSpot location supporting a Wi-Fi Wholesale model. The user is then able to interact only with their chosen provider, seamlessly and transparently.

HIGH-AVAILABILITY

This Module offers expanded network uptime and service availability when delivering high-quality Wi-Fi service. To ensure uninterrupted service, our Fail-Over functionality allows a secondary Nomadix Access Gateway to be placed in the network which will take over if the primary device should fail.

VIRTUAL AP

This Module is for the AG 2100. The NSE can create up to 16 virtual access points (VAP) from one physical access point by assigning unique Basic Service Set Identifiers (BSSID) with configurable broadcasts. Each VAP can be configured with its unique authentication and association method.

ACCESS GATEWAYS

Nomadix offers a family of Access Gateways providing a turnkey solution for public access networks. Our Access Gateways are dedicated network appliances that provide superior reliability and can serve the widest range of venue types and locations – from the very small single-cell deployment needing a “HotSpot in a Box” to a large, multi-cell international airport or Metro HotZone.

AG 2100 – WIRELESS GATEWAY

Supporting up to 100 simultaneous users, the AG 2100 is the ideal “HotSpot in a Box” for small, single-cell deployments as it incorporates the patented and patent-pending functionality of the NSE with a high performance Wi-Fi radio with advanced wireless features like virtual AP support.



COFFEE SHOPS & RESTAURANTS



HOTELS



ENTERPRISE GUEST ACCESS

AG 3000

The AG 3000 is a cost-effective platform designed for small- to medium-sized public access venues. The AG 3000 is transport agnostic and enables the deployment of wired, wireless or hybrid networks supporting up to 200 simultaneous users.



HOTELS



TRUCK STOPS



MARINAS



SCHOOLS & UNIVERSITIES



ENTERPRISE GUEST ACCESS

AG 5000

Capable of supporting 2,000 simultaneous users, the AG 5000 is our high performance platform designed for deployment in large venues such as hotels, airports and convention centers.



HOTELS



CONVENTION CENTERS



SCHOOLS & UNIVERSITIES



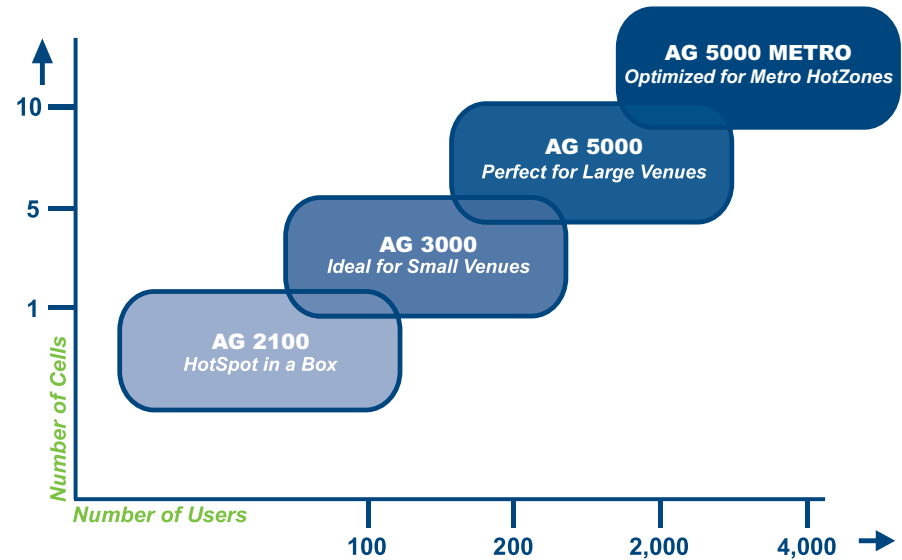
RV PARKS



TRANSPORTATION

AG 5000 METRO

A high performance Gateway capable of supporting 4,000 simultaneous users and optimized for Metropolitan HotZone deployments.



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™

To learn more about support and training options for Nomadix Gateways visit www.nomadix.com/products/nss.asp

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