NOMADIX AG 2500 ACCESS GATEWAY

The AG 2500, Nomadix’s mid-range bandwidth management gateway, is ideal for value-driven, visitor-based network venues. With four configurable WAN/LAN copper ports and support for up to 500 devices, the AG 2500 is the perfect solution for small- to medium-sized venues, including hotels with up to 150 rooms that want to offer state-of-the-art internet access to their guests.

NEXT GENERATION PLATFORM FOR SPEED AND DURABILITY

Built upon Intel's high-performance processors, the AG 2500 hardware platform sports built-in flash memory, dramatically increasing uptime over competitive products using hard drives. When combined with the proven Nomadix Service Engine (NSE) core software, the AG 2500 becomes an appliance with unparalleled reliability. Regular software updates from Nomadix ensure that your solution is responsive to the rapid pace of change inherent in the technology arena. New devices and new applications can wreak havoc on your network … Nomadix keeps you ahead of the curve.

FAST AUTHENTICATION AND SECURE ACCESS CONTROL

Using the NSE software engine, the AG 2500 supports multiple authentication models — not only enabling users to connect quickly and securely to the internet, but also helping business operators prevent unauthorized access. The "Remember Me" function stores subscriber logins to create a better user experience.

FLEXIBLE BILLING OPTIONS AND SEAMLESS INTEGRATION

With the ability to charge for internet access by volume, time or bandwidth consumed, guests now have options. Venue owners are afforded a similar level of flexibility, with the ability to charge for access with a wide variety of options, including credit card, RADIUS or via secure XML API, which includes interfaces to more than 30 property management system (PMS) types. With the AG 2500, venue owners are able to manage their networks on their terms, generating revenue at every touch point with the user before, during and after connecting.

BANDWIDTH MANAGEMENT

The quality of high-speed internet access continues to rank as one of the most complained about amenities in a hotel, and online reviews suffer when internet access is sub-par. With its access gateways, Nomadix continues to make enhancements in areas that improve the bottom line for hoteliers and visitor-based network providers. Bandwidth management is one of the biggest drivers of value in the hospitality arena and other venues where high-speed internet access is deployed. Nomadix understands this and is devoted to incorporating features in its access gateways to manage bandwidth actively, efficiently and fairly. By using Nomadix’s enhanced bandwidth management tools, guests are able to get the content they want at the speed they need, and venue owners are able to save money by delaying the need to buy additional bandwidth. Bandwidth can be managed by class of user, group, subscriber or device — or by a combination of all four. This allows operators to be less reliant on static bandwidth caps, while utilizing more of the network even when there are only a few guests.
<table>
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<tr>
<th>Platform</th>
<th>Intel-based System</th>
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| Interface | 1-RJ 45 - WAN  
3-RJ 45 - ETH  
1-12VDC Power Connector  
1-RJ 45 - Console  
1-DB-9 Serial Connector  
2-USB Connectors  
1-Reset  
1-Power Button |
| Power Requirements | Type/Watts: 12VDC 5A 40W Power Adapter  
Input: AC 100-240V @ 50-60 HZ ~ .6A |
| Dimensions | 300 mm W x 44 mm H x 145 mm D 1U Rack Mountable |
| Weight | 2.2 lbs, 1.0 kg |
| Environmental Parameters | Temperature Ambient Operating / Storage: 0~40° / -20~75° C  
Humidity (RH) Ambient Operating / Ambient Non-Operating: 5~90% non-condensing / 5~90% non-condensing |
| Regulatory | FCC Class A  
UL, UL (U.S. and Canada)  
CE (Emissions)  
CB Scheme (ICE Safety) |
| Concurrent Users | 500 devices |
| Access Control and Authentication | Tri-Modal Authentication, Authentication and Accounting (AAA)  
Walled Garden  
Group Accounts  
Universal Access Method over SSL  
IEEE 802.1x  
Smart Client Support [Boingo, iPass]  
MAC Authentication  
Remember Me Login |
| Advanced Security | iNAT  
IPSec Support  
PPTP Support  
Session Rate Limiting (SRL)  
User Agent Filtering  
Mac Address Filtering  
URL Filtering  
ICMP Blocking  
Proxy ARP for Device-to-Device Communication |
| Policy-Based Traffic Shaping | Bandwidth Management Features  
Class-Based Queueing  
Weighted Fair Queueing  
QoS Tagging  
Group Bandwidth Management  
Per Device Capping |
| Billing Plan Enablement | RADIUS Client  
RADIUS (AAA) Proxy  
Port-Based Policies  
Port Mapping  
Local Databases  
Credit Card Interface  
PMS Advanced XML Interface  
Bill Mirroring |
| Branding (Establishment) | Parameter Passing enabling branding |
| Network Management | Web Management Interface (WMI)  
Command Line Interface (CLI)  
Integrated VPN Client for Management  
RADIUS-Driven Configuration  
Multi-Level Admin Support  
Centralized RADIUS Authentication  
SMTP Redirection  
Access Control  
Bridge Mode  
SNMPv2c  
Syslog/AAALog  
TR069 |
| Media Access Control | CSMA/CA |
| Ports | 1/10/100 Base-T Ethernet, RJ-45  
UTP: 6 Ports Configurable as Either WAN or LAN  
RJ-45 port for Serial Access  
Systems Console  
DB9 Serial Port: Property Management Interface |
| IP Address Management | IEEE 802.3/Dual/3eb  
IEEE 802.1d  
DHCP Server  
DHCP Relay  
Multiple Subnet Support  
IP Upsell  
DHCP Client  
PPPoE Client |
| Intelligent Roaming | Realm-Based Routing  
Zone Migration |
| Service Provisioning | Home Page Redirect  
HTTP-Redirect  
HTTPS-Redirect  
Portal Page Redirect  
Session Termination Redirect  
Information and Control Console  
Pop-Up [explicit] Logout Button  
International Language Support  
External Web Server Mode  
Internal Web Server Mode  
Secure XML API over SSL  
Login Page Failover |
| User True Plug and Play | Dynamic Address Translation |
| Performance | Test Type | RFC2544  
Fast Forwarding | Enabled  
Up to Max Value (Mbps) | 275 |

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