NOMADIX

OPTIMUM ACCESS AND BANDWIDTH MANAGEMENT GATEWAY FOR SMALL- TO MID-SIZED VISITOR-BASED NETWORKS

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.

Platform	Intel-based System		
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 (CE 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 Queuing	Weighted Fair Queuing 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	10/100/1000 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 802.3/3u/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		HTTP 500 Users	
Fast Forwarding	Disabled	Enabled	Disabled	Enabled
"Up to" Max Value (Mbps)	275	689	198	417

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