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. It offers support for copper WAN/LAN ports for small- to medium-sized venues, such as hotels with less than 150 rooms and supports up to 500 device users.

NEXT GENERATION PLATFORM FOR SPEED AND DURABILITY

Built upon Intel's high-performance processors, the AG 2500 hardware platform sports built-in flash memory. 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 the AG 2500 is up to date and performing optimally.
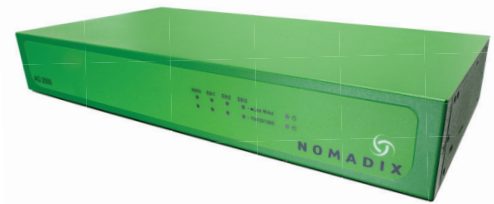
FAST AUTHENTICATION AND SECURE ACCESS CONTROL

Using the Nomadix NSE software engine, the AG 2500 supports multiple authentication models to not only enable users to connect quickly and securely to the internet but also to help 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 flexible billing options for both users and business operators, the AG 2500 can charge by volume, time or bandwidth. The gateway also facilitates a wide variety of options through credit card interface over SSL, RADIUS client or via secure XML API enabling, which includes more than 30PMS types and third-party application integration. Business operators can generate revenue at every touch point with the user before, during and after connection.

BANDWIDTH MANAGEMENT

The quality of high-speed internet continues to rank as one of the most important factors for guests when they are choosing to stay at a hotel. With its access gateways, Nomadix continues to make enhancements in areas that will 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. When bandwidth conservation is employed, operators can extend the useful life of their existing level of connectivity and slow the pace of investments in bandwidth upgrades. Nomadix understands this and is devoted to incorporating features in its access gateways to manage bandwidth actively, efficiently and fairly. 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	300mm W x 44mm H x 145mm 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 (US 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 Log-in
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 Fair Weighted Queuing	Next column: three statements 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

4914-042017-01