NOMADIX®

AC 1LA SPECIFICATION

PERFORMANCE

AP Management
224 indoor/outdoor APs or 448 wall plate APs per unit
2,048 APs per cluster

Maximum Number of Clients
6400

802.11 Performance
8Gbps

Maximum Built-in Portal Clients
1500

ACL
64K

Number of Wireless Users
6400

MAC Address Table
16K

Local Authentication
300 wireless clients

ARP Table
12K

IPv6 Neighbor Table
10K

Inter-AC Roaming Switch Time
≤50ms

CONFIGURATION

LAN

802.1Q VLAN
Support

QinQ
N/A

ACL
Standard IP ACL, Extended IP ACL, MAC-extended ACL, Expert ACL

QoS
N/A

WLAN

LAN Protocols
ARP, VLAN, 802.1p, 802.1q, 802.1d, 802.1w, 802.1s

WLAN Protocols
802.11, 802.11b, 802.11a, 802.11g, 802.11d, 802.11h, 802.11w, 802.11k, 802.11r, 802.11i, 802.11e, 802.11n, 802.11ac, 802.11ax

Roaming
Intra-AC roaming, Inter-AC roaming

Forwarding
Local forwarding, Centralized forwarding

Wireless Mesh
Wi-Fi Mesh topology support
Single hop link relationships between one root AP and several leaf APs

Wireless QoS
AP-based bandwidth control, WLAN-based bandwidth control, User-based static and smart speed control, Fair balancing

User Isolation
AC-based user isolation
AP-based user isolation
WLAN-based user isolation

Reliability
Fast switching between 2 ACs, Multiple ACs redundancy (1:1 A/A and A/S, N:1), Multiple ACs clustering (N:N), Remote Intelligent Perception Technology (RIPT), Service upgrade

STA Management
AP-based STA access control, SSID-based STA access control, AP-based load balancing, AP traffic- based load balancing, 5G priority access, RSSI threshold

STA RSSI Threshold
0~100

STA Idle Timeout
60~86,400 seconds

STA Average Data Rate Threshold
8~819,200 with the accuracy of 8Kbps

Adjusting Transmit Power of Beacon and Probe Response
Support

Offline Syslog
Support

SECURITY

IPv4/v6 Security
Web authentication, 802.1x authentication (EAP-PEAP, EAP-SIM, EAP-MD5, EAP-TLS, EAP-TTLS, PEAP-MSCHAPv2, EAP-FAST, EAP-AKA), MAC address authentication

PPSK
Support

Virtual AP
Support

Virtual AC
Support

802.11 Security and Encryption
Multiple SSIDs, SSID hiding, 802.11i-compliant PSK authentication, WPA and WPA2, WEP (WEP/ WEP128), WAPI, TKIP, CCMP, Protection against ARP spoofing

AAA
IEEE 802.1x

CPP
Support

NFPP
Support

WIDS/WIPS
Support

INTERNET PROTOCOLS

IPv4 Protocols
DNSv6 Client, DHCPv6 Relay, DHCPv6 Server, TFTPv6 Client, FTPv6 Server, FTPv6 Client, IPv6 CAPWAP, ICMPv6, IPv6 Ping, IPv6 Tracer-oute, Manual tunnel, automatic tunnel Manual configuration address, automatic local address

IPv4 Routing
Static routing, OSPF

IPv4 Routing Table Capacity
8K

IPv4 Static Routing Table Capacity
1K

IPv6 Routing Table Capacity
1K

IPv6 Static Routing Table Capacity
1K

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MANAGEMENT

Network Management
SNMP v1/v2c/v3, Web management, Syslog

User Access Management
Login via console port Login via Telnet Login via SSH Upload to FTP

HARDWARE

Interfaces
- 6 x RJ45 1000BASE-T 1Gbps copper ports
- 2 x RJ45 1000BASE -T / 1000BASE-X SFP 1Gbps copper / fiber ports (combo)
- 2 x USB ports
- 1 x Console port (RS-232)

Power Supply
Fixed power supply 100~240V, 50~60Hz

Power Consumption
Consumption <40W

Mounting
19-inch rack format (1U)

Dimensions
440mm x 200mm x 43.6mm (short depth)

Weigth
2Kg

Operating Temperature
0°C~45°C

Storage Temperature
-40°C~70°C

Operating Humidity
10%~90% RH (non-condensing)

Storage Humidity
5%~95% RH (non-condensing)

Operating Altitude
0~3000m

MTBF
250,000 hours

CERTIFICATIONS

EMC
GB9254, EN301 489

Security Standard
GB4943, EN/IEC60950-1

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