

# Long Range Wireless Enterprise Access Point

## 802.1x

Model no. NL-2511 AP Pro PLUS



Feature	Benefit
Up to 23dBm(200mW) RF Output Power (depends on different countries)	9 times coverage of regular Access Point
11Mbps IEEE 802.11b Compliant	Fully interoperable with IEEE 802.11b compliant products
IEEE802.1x/RADIUS Client (EAP-MD5/TLS/TTLS) Support	Provide mutual authentication (Client and Server Site) and dynamic encryption keys to enhance security
Power Over Ethernet (POE)	Supplying power to a wireless advanced AP over an Ethernet cable
TCP/IP/UDP/Port/MAC address filtering	Firewall functions ensure secure network connection
64 /128-bit WEP data encryption	Powerful data security
DHCP client/server/relay	Simplifies network administration, the software keeps track of IP addresses rather than administrators to manage the task
SNMP/Telnet/Web configuration	Helps administrators to remotely configure or manage the Router via SNMP/Telnet/Web browser

General	
Data Transfer Rate	11, 5.5, 2 and 1 Mbps, Auto Fall-Back
Frequency Band	2.400 2.484 GHz
Range (open environment)	11 Mbps –300m/450m ( 23 dBm output power) 5.5 Mbps –400m/600m ( 23 dBm output power) 2 Mbps – 500m/750m ( 23 dBm output power) 1 Mbps –800m/1200m ( 23 dBm output power)
Radio Type	Direct Sequence Spread Spectrum (DSSS)
Operation Channels	11 for North America, 14 for Japan, 13 for Europe, 2 for Spain, 4 for France
Modulation	CCK(11 Mbps / 5.5 Mbps), DQPSK(2 Mbps), DBPSK (1Mbps)

Antenna	Detachable Antenna (TNC connector)
RF Output Power	Transmit Power Control (20mW-200mW) 23dBm(200mW)—FCC; 20dBm(100mW)—CE
Compatibility	IEEE 802.11b compliant
Regulation Certifications	FCC Part 15/UL, ETSI 300/328/CE

## Network

Interface	One RJ-45 × 1 (10/100BaseTX) Port
Security	<ul style="list-style-type: none"> <li>- IEEE 802.1x/Radius Client(EAP-MD5/TLS/TTLS)</li> <li>- 64/128-bit WEP encryption</li> <li>- Hide SSID in beacons, and deny “any” SSID</li> <li>- Wireless Client Isolation</li> <li>- TCP/IP/UDP/Port/MAC address filtering</li> </ul>
VPN Support	IP Sec pass-through / PPTP
Management	<ul style="list-style-type: none"> <li>-Telnet/Web/SNMP(v1/v2, 802.11MIB) configuration</li> <li>-HW/SW Watch dog</li> <li>-Load balance</li> </ul>
Firmware Upgrade	Upgrade firmware via TFTP/Web-based

## Environment

Temperature Range	0 to 55° C (32 °F to 131 °F) - Operating, -20 to 80 ° C(-4 °F to 176 °F) - Storage
Humidity (non-condensing)	5% 95% typical

## Physical

Dimensions	145(L)mm x 210(W)mm x 40(H)mm 5.7(L)in x 8.3(W)in x 1.6(H)in
Weight	950g( 2.1 lb)