

Product Long Range Wireless Outdoor Access Point/ Router

Model no. NL-2511 HS PLUS



Features sand Benefits

Features	Bene fits
Excellent Range with Antenna and Power Amplifier Options	Provides wireless link up to 25km(16miles) using antennas and power amplifiers
Lightning Protector (Option)	Prevent a lightning stroke to damage the internal equipments
Watertight and Weatherproof	Avoid water invaded and weather corroded
IEEE802.1x and RADIUS Client Support	Provide mutual authentication (Client and Server Site) and dynamic encryption keys to enhance security
Hide SSID	Avoids unallowable users sharing bandwidth, increases efficiency of the network
IP Routing Support	Standard IP Routing enables multiple LANs in different IP-Subnet
Power over Ethernet (PoE)	Easy installation and cost-effective
64 /128-bit WEP Data Encryption	Powerful data security
Supports NAT (Network Address Translation)	Shares single Internet account and provides a type of firewall by hiding internal IP addresses for keeping hacker out
Web/Telnet/SNMP Remote Configuration Management	Help administrators to remotely configure or manage the Access Point/ Router with web browser
MAC Address Filtering	Ensures secure network connection
SNMP Management	Supports SNMP for use with existing network management tools
Virtual Server Mapping	Allows some of computers in wireless LAN network to be accessible from outside network
DHCP Client/ Server	Simplifies network administration

Specifications

General	
Data Transfer Rate	11, 5.5, 2 and 1 Mbps, Auto Fall-Back
Compatibility	IEEE 802.11b compliant
Regulation Certifications	FCC Part 15/UL, ETSI 300/328/CE

Network Information	
Topology	Infrastructure
Ethernet Interface	10 Base-T (RJ-45)
Protocol Supported	<ul style="list-style-type: none">• Bridge• TCP/IP• NAT/NAPT (IP Sharing)• Virtual Server mapping• DHCP client/ server• BOOTP server• PPPoE client• Static Routing
Security	<ul style="list-style-type: none">• MAC address filtering• PPP PAP/CHAP• Authentication in Web-Based manager• IEEE 802.1x Port-Based network access control• Radius client (Authentication & Accounting)• 64/ 128-bit WEP encryption• Hide SSID in beacons• Denial 802.11 “Any” station
Network Management	SNMP (MIB I, MIB II), Telnet

Radio	
Frequency Band	2.400? 2.484 GHz
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	11 Mbps / 5.5 Mbps: CCK? 2 Mbps: DQPSK? 1 Mbps: DBPSK
RF Output Power	23dBm(200mW)--FCC 20dBm(100mW)--CE
RF Connector	N-Type connector (N-Female Reverse—FCC Standard)

Management	
Remote Configuration	<ul style="list-style-type: none"> • Web-based configuration (HTTP) • Telnet configuration • SNMP Agent (MIB I / II)
Local Configuration	Console (RS-232) configuration
Firmware Upgrade	Upgrade via Serial Interface (RS-232) or TFTP

Environment	
Temperature Range	-20 to 70 °C (32 to 131 °F) -operating -40 to 80 °C (-4 to 176 °F) -storage
Humidity (non-condensing)	5%? 95% typical

Physical Specifications	
Dimensions	245(L)mm * 200(W)mm * 70(H)mm 9.6(L)in. * 7.9(W) in. * 2.8(H) in.
Weight	2.1Kg (4.6 lb)

Electrical	
Power Supply	Active Ethernet (Power over Ethernet) : 48 VDC/0.7A External Unit: Auto sensing 100/240 VAC; 50/60 Hz
Surge Arrester (Option)	20KA Surge Current

