

Airolix APN-310N / 320N

Industrial 802.11a/b/g/n Wireless LAN Access Point



Features

- ▶ Supports IEEE 802.11a/b/g/n with Link Speed up to 300Mbps
- ▶ Dual Radio Model (Optional)
- ▶ WEP / WPA / WPA-PSK (TKIP, AES) / WPA2 / WPA2-PSK (TKIP, AES) / IEEE 802.1x / RADIUS Support
- ▶ Supports AP, Client, Bridge, Router, and Repeater Mode
- ▶ Daisy Chain Support to Reduce Usage of Switch Ports
- ▶ Redundant Power Inputs: 12 ~ 48VDC on Terminal Block
- ▶ Management via Web Interface, Telnet, and Console (Optional)
- ▶ Secured Management by HTTPS and SSH
- ▶ Event Warnings by Syslog, SNMP Trap, Relay, and Beeper (Optional)
- ▶ Supports Spanning Tree Protocol (STP)
- ▶ Supports IEEE 802.1q VLAN Tagging
- ▶ Supports Watchdog and Auto Reboot
- ▶ 5-Year Warranty



▶ Specifications

Radio Specifications

Data Rate	IEEE 802.11a	54Mbps	48Mbps	36Mbps	24Mbps	18Mbps	12Mbps	9Mbps	6Mbps		
	IEEE 802.11b	11Mbps 54Mbps	5.5Mbps 48Mbps	2Mbps 36Mbps	1Mbps 24Mbps	18Mbps	12Mbps	9Mbps	6Mbps	Auto	
	IEEE 802.11g:	Fallback to 5.5Mbps, 2Mbps, 1Mbps									
	IEEE 802.11n:	20MHz	1Nss: 65Mbps @ 800GI, 72.2Mbps @ 400GI (Max.) 2Nss: 130Mbps @ 800GI, 144.4Mbps @ 400GI (Max.) 1Nss: 135Mbps @ 800GI, 150Mbps @ 400GI (Max.)								
Frequency Range:	IEEE 802.11b/g/n:	40MHz	2Nss: 270Mbps @ 800GI, 300Mbps @ 400GI (Max.)								
		2.412GHz ~ 2.462GHz (US & Canada)									
		2.412GHz ~ 2.472GHz (Europe)									
	IEEE 802.11a/n:	2.412GHz ~ 2.484GHz (Japan)									
		5.150 ~ 5.350GHz, 5.470 ~ 5.725GHz, 5.725 ~ 5.850GHz (US & Canada)									
5.150 ~ 5.350GHz, 5.470 ~ 5.725GHz, 5.875 ~ 5.850GHz (Europe)											
		5.150 ~ 5.250GHz, 5.250 ~ 5.350GHz, 5.470 ~ 5.725GHz (Japan)									

► Specifications

Unit Specifications

Ethernet Port

2 x 10/100BaseT(X) which supports Switch Mode

Connector

RJ-45

Protection

Built-in 1.5KV Magnetic Isolation

Protocol

ICMP, IP, TCP, UDP, DHCP, BootP, ARP/RARP, DNS, SNMP MIB II, HTTPS, SNMP v1/v2, Trap, Private MIB

LED

Power, Ready, Ethernet Link/ACT, Signal Level, Fault

WLAN Operating Mode

AP / Client / Bridge / Router / Repeater

Antenna Connectors

Single Radio Model: 2 x Reverse SMA
Dual Radio Model: 4 x Reverse SMA

Modulation Techniques

OFDM: BPSK, QPSK, 16-QAM, 64-QAM
DSSS: DBPSK, DQPSK, CCK

Frequency Range

IEEE802.11b/g/n:
2.412GHz ~ 2.462GHz (US & Canada)
2.412GHz ~ 2.472GHz (Europe)
2.412GHz ~ 2.484GHz (Japan)

IEEE 802.11a/n:

5.150 ~ 5.350 GHz, 5.470 ~ 5.725GHz, 5.725 ~ 5.850 GHz (US & Canada)
5.150 ~ 5.350 GHz, 5.470 ~ 5.725GHz, 5.725 ~ 5.875 GHz (Europe)
5.150 ~ 5.250 GHz, 5.250 ~ 5.350GHz, 5.470 ~ 5.725GHz(Japan)

Transmit Power

18dBm@802.11a / 20dBm MIMO aggregate

Encryption Security

WEP: 64-bit, 128-bit Key Supported
WPA / WPA2: 802.11i (WEP and AES Encryption)
PSK (256-bit Key Pre-shared Key Supported)
802.1x and RADIUS Supported
TKIP Encryption

Wireless Security

SSID Broadcast Disable, 3 x Virtual Access Points, MAC Address Filter

Power Input

12 ~ 48VDC in 6-Pin Terminal Block

Power Consumption

Single Radio Model: 6 Watts
Dual Radio Model: 10 Watts

Reverse Polarity Protection

Present

Operation Temperature

Standard Model: -10° C to 60° C
Wide Operating Temperature Model: -35° C to 70° C

Operation Humidity

5% to 95% (Non-condensing)

Storage Temperature

-40° C to 90° C

Casing

IP30 Protection

Dimension (W x H x D)

46 x 155 x 115 mm (1.81 x 6.10 x 4.53 in.)

Stability Testing

Shock: IEC60068-2-27
Free Fall: IEC60068-2-32
Vibration: IEC60068-2-6

Certification

FCC, CE

Warranty

5-Year Warranty

► Ordering Information

APN-310N

Industrial 802.11a/b/g/n Wireless LAN Access Point w/ Single Radio

APN-310N-T

Industrial 802.11a/b/g/n Wireless LAN Access Point w/ Single Radio, Wide Operating Temperature

APN-320N

Industrial 802.11a/b/g/n Wireless LAN Access Point w/ Dual Radio

APN-320N-T

Industrial 802.11a/b/g/n Wireless LAN Access Point w/ Dual Radio, Wide Operating Temperature

Optional Accessories

DR-4524

45W 24VDC Industrial DIN Rail Power Supply

DR-75-24

75W 24VDC Industrial DIN Rail Power Supply

DR-120-24

120W 24VDC Industrial DIN Rail Power Supply

Antaira Technologies

Toll-Free: (877) 229-3665
Phone: (714) 671-9000
FAX: (714) 671-9944

e-Mail: info@antaira.com
Website: <http://www.antaira.com>


www.antaira.com