

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

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