

ACCESS POINTS



SIMULTANEOUS BUSINESS DUAL-BAND ACCESS POINT -
ROUTER 802.11N WI-FI PLENUM RATED

Simultaneous Business Dual-Band Access Point Router 802.11n Wi-Fi Plenum Rated



SKU	AP25N01
Weight	9.17 oz (260 grams)

The AIR802 AP25N01 is a simultaneous dual band 802.11n wireless access point - router that is backwards compatible with 802.11b/g/a. With concurrent utilization of the 2.4 and 5.1 to 5.8 GHz wi-fi frequency bands and as a business plenum rated access point it is perfect for commercial applications from small business to large industry. Made in U.S.A.

This wireless access point is for commercial use and is perfect for those above ceiling plenum airflow applications. Housed in a metal plenum box it will meet fire code requirements. The simultaneous or concurrent dual-band operations provides business environments with many capabilities and application possibilities. This model has robust RF performance with maximum 800mW of power output. It ships with four 2dBi antennas with RP-SMA connectors that are dual-band (2.4 + 5.1 to 5.8 GHz). This device is designed with MIMO 2 x 2 spatial multiplexing. It ships with a 24 vdc power supply or PoE is supported.

Technical Information

LAN Interface	1 x 10/100 BASE-T Ethernet Port
Power Supply	24V to 48V DC, power adapter and injector included
Power Method	Passive PoE (range 24V-48V DC), 802.3af PoE(48V-56V) or DC Jack
RoHS Compliant	Yes
Humidity	Operating: 5% to 95% (non-condensing) Storage: Max.90% (non-condensing)
Operating Temperature	-4°F to 158°F (-20°C to 70°C)
Storage Temperature	-40°F to 194°F (-40°C to 90°C)
Dimension	5.7 in x 5.19 x 1.61 in (145 x 132 x 41 mm) (H x W x D)



Technical Specifications – 802.11 b/g/n

Antenna	2 x 2 dBi detachable RP-SMA antenna		
Power Consumption	7.5 Watts		
Radio Option	MIMO MINIPCI CARD RADIO		
	802.11b		802.11g
	1 Mbps	29 dBm	
	6 Mbps	29 dBm	
	54 Mbps		24 dBm
Tx Specifications		802.11 n/g	
		HT20	HT40
	MS0	26 dBm	25 dBm
	MS3	26 dBm	25 dBm
	MS7	23 dBm	
		802.11b	802.11g
	1 Mbps	-94 dBm	
	6 Mbps		-94 dBm
	54 Mbps		-74 dBm
Rx Specifications		802.11 n/g	
		HT20	HT40
	MS0	-92 dBm	-90 dBm
	MS3	-86 dBm	-82 dBm
	MS7	-73 dBm	-71 dBm



Technical Specifications – 802.11 a/n

Antenna	2 x 2 dBi detachable RP-SMA antenna		
Power Consumption	8.9 Watts		
Radio Option	MIMO MINIPCI CARD RADIO		
		802.11a	
	6 Mbps	29 dBm	
	36 Mbps	27 dBm	
	54 Mbps	24 dBm	
Tx Specifications		802.11 n/a	
		HT20	HT40
	MS0	28 dBm	27 dBm
	MS3	27 dBm	25 dBm
	MS7	23 dBm	22 dBm
		802.11a	
	6 Mbps	-96 dBm	
	36 Mbps	-86 dBm	
	54 Mbps	-79 dBm	
Rx Specifications		802.11 n/a	
		HT20	HT40
	MS0	-95 dBm	-92 dBm
	MS3	-89 dBm	-84 dBm
	MS7	-75 dBm	-74 dBm

Firmware Information

Operating Modes	<ul style="list-style-type: none"> • Access Points • Station (Client) • Station WDS • Repeater WDS 	<ul style="list-style-type: none"> • Wireless Adapter • Station + Router • Access Point + Router
WAN Type	<ul style="list-style-type: none"> • Static IP • Dynamic IP 	<ul style="list-style-type: none"> • PPPoE
Device Management	<ul style="list-style-type: none"> • HTTP / HTTPs Web Server 	<ul style="list-style-type: none"> • SNMP V2c • Telnet / Secure Shell (SSH)
Data Capture & Notification	<ul style="list-style-type: none"> • Event Login (Syslog) 	<ul style="list-style-type: none"> • Detailed Statistics per Client
Virtual Access Point (VAP)	<ul style="list-style-type: none"> • Up to 4 SSIDs with unique MAC Addresses (BSSID) 	
Advanced Features	<ul style="list-style-type: none"> • Built-in DHCP server • Transmission Power Control (One dB per step) 	<ul style="list-style-type: none"> • Closed System (Suppress SSID) • Transmission Rate Control • Spanning Tree Protocol

Other Prominent Features

Long Range Parameter Settings	Distance adjustment for long range transmission
CPE Point-to-Point (PtP)	Ideal as CPE device connecting PtP with a central AP
Power with PoE	Device power from PoE through ethernet cable provides flexible installation
IEEE 802.11h (DFS & TPC)	Enables worldwide operation through support for standards-based Dynamic Frequency Selection (DFS) and Transmission Power Control (TPC)
SNMP Trap	SNMP Traps enable an agent to notify the management station of significant events by way of an unsolicited event
Signal Strength LEDs Indicators	4 Step Progressive Bars. Each bar represents a progressive increase in signal strength, with 4 bars representing maximum signal strength (100%)
DHCP Relay (Only in Gateway or Wireless Routing Client Mode)	Allows DHCP Clients on different subnets to get IP address from central DHCP server
Remote Upgrade of Firmware	Allows user to upgrade their firmware through Telnet/SSH
RIP 1 / 2 (Only in Gateway or Wireless Routing Client Mode)	Routing Information Protocol Version 1 / 2
Tag and Untag VLAN/VLAN Pass-through	<ol style="list-style-type: none"> Tag VLAN Pass-through mode in AP/Transparent Client link Wireless untag Vlan to Ethernet Tag Vlan mode Wireless tag Vlan to Ethernet Tag Vlan mode