



5.8 GHz Indoor MIMO Wireless Access Point

Ideal for wide coverage area applications

FEATURES

- Great for hotspot applications as an indoor access point
- Configure multiple SSIDs and more
- Carrier-grade rich features allows for enterprise-level access



The WIP5800N is a small but robust, high-performance 5 GHz access point designed for indoor applications. This access point is equipped with an extreme output power (up to 29 dBm) 802.11n MIMO radio which allows communicating effectively older 802.11b/g equipment together with latest standards in wireless devices. The WIP5800N is coupled with an advanced and feature-rich operating system which allows it to operate as both an access point and a station at the same time, as well as a bridge and a router.

The WIP5800N's robust software engine features a user-friendly Adobe Flex-based GUI with instant changes, including useful installation tools like site survey, antenna alignment, delayed reboot, spectrum analyzer, ping, and traceroute. It is also compatible with the Wireless Network Management System, making it one of the most advanced management tools on the market.

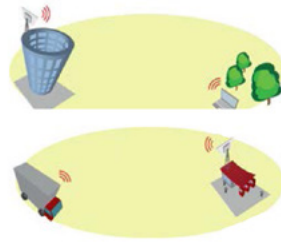




Usage Examples

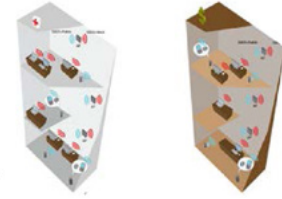
Hotspot

Great for hotspot applications as an indoor access point or with an external outdoor antenna.



Enterprise Capability

Carrier-grade, feature-rich device can be used as an enterprise-level access point, allowing you to configure multiple SSIDs and more.



Wireless

Receive sensitivity (dBm)	802.11 N/ iPoll	15 Mbps	30 Mbps	45 Mbps	60 Mbps	90 Mbps	120 Mbps	135 Mbps	150 Mbps
		-93	-91	-89	-86	-83	-79	-77	-75
	802.11a	30 Mbps	60 Mbps	90 Mbps	120 Mbps	180 Mbps	240 Mbps	270 Mbps	300 Mbps
		-93	-91	-89	-86	-83	-79	-77	-75
Output power (dBm)	802.11 N/ iPoll	6 Mbps	9 Mbps	12 Mbps	18 Mbps	24 Mbps	36 Mbps	48 Mbps	54 Mbps
		-95	-94	-92	-90	-87	-84	-79	-77
	802.11a	15 Mbps	30 Mbps	45 Mbps	60 Mbps	90 Mbps	120 Mbps	135 Mbps	150 Mbps
		29	29	29	29	28	28	27	27
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Product Specifications

Wireless		Operating mode	Router, Bridge
WLAN standard	IEEE 802.11 a/n	Wireless operating modes	AP, Station, AP WDS, Station WDS, Virtual radios (VSSID), iPoll access point, iPoll client
Radio mode	MIMO 2x2	Wireless security	WPA/WPA2 Personal, WPA/WPA2 Enterprise, WACL, User isolation, UAM (web portal authentication)
Operating modes	Access point (auto WDS), Station, Station WDS, iPoll Access Point, iPoll Station	Wireless QoS	WMM
Radio frequency band	5.1 - 5.9 GHz	WAN protocols	Static IP, DHCP client, PPPoE client
Transmit power	Up to 29 dBm (country dependent)	Network	NAT, static routing, firewall, port forwarding, VLAN, traffic shaping
Receive sensitivity	Varying between -95 and -75 dBm depending on modulation	Services	DHCP server, SNMP server, NTP client, Alerts, Remote syslog, Wireless and Ethernet statistics, bandwidth limiting
Channel size	20, 40 MHz	Management	HTTP(S) GUI, SSH CLI, SNMP read, WNMS, troubleshooting file, reset via reset tool
Modulation schemes	802.11 a/n: OFDM (64-QAM, 16-QAM, QPSK, BPSK)	Tools	Site survey, Link test, Antenna alignment, Ping, Traceroute, Spectrum analyzer, delayed
Data rates	802.11 n: 300, 270, 240, 180, 120, 90, 60, 30 Mbps 802.11 a: 54, 48, 36, 24, 18, 12, 9, 6 Mbps	Physical	
Error correction	FEC, Selective ARQ	Dimensions	Length 4.8" (123 mm) Width 3.3" (85 mm) Height .78" (20 mm)
Duplexing scheme	Time division duplex	Weight	280 g (9.8 oz)
Antenna		Power supply	12 - 48 V DC passive PoE
Type	2 x external omni-directional antenna	Power source	100 - 240 VAC via included adapter
Gain	5 dBi	Power consumption	6.5 W
Wired		Environmental	
Interface	10/100 Base-T, RJ45	Operating temperature	-4°F (-20°C) ~ +131°F (+55°C)
Networking		Humidity	0 ~ 90 % (non-condensing)
Operating modes	Bridge, Router	Management	
WAN	Static IP, DHCP client, PPPoE client	System configuration	User-friendly web GUI, Command line via SSH, centralized Wireless Network Management System, reset via reset tool
NAT	Routing w/ or w/o NAT	System monitoring	SNMP v1/2c/3 server, Syslogs, system alerts via e-mail and SNMP trap
Static routing	Supported	Regulatory	
DHCP	Client, Server, Relay	Certification	FCC/CE/Safety/RoHS compliance
Port forwarding	Supported		
VLAN	Supported for management and data		
Software			
General	Ability to define/limit frequency, channel width, EIRP, modulation		
Advanced wireless functionality	ATPC (automatic transmit power control), DFS 3, auto-channel, auto-modulation		

