

The Wi-Gate 300-8-8 Dual Radio / Outdoor AP

With a ½ mile radius Wi-Fi signal range, unmatched durability and a Pentium 4 class processor, the Wi-Gate 300-8 is Wialan's most robust and intelligent wireless network Access Point (AP).

Our Wi-Gate series APs makes enterprise wireless solutions affordable because of the built-in features that essentially create a full fledge distributed network capable of managing bandwidth usage, 250 simultaneous Virtual Private Network (VPN) connections and any Internet Protocol (IP) based application you can throw at it (Internet, VoIP, IP cameras, etc.)

The Wi-Gate's superior range results in huge savings in both installation and implementation. Our optimized and streamlined technology equates to the widest, highest quality coverage and best end-user connectivity at the lowest cost available.



Special Features

Proprietary high speed embedded Linux distribution

Unsurpassed network processing power

Industrial grade radios

One radio versions

2.4 GHz 300 mW Radio

4.9 GHz 400 mW Radio (public safety licensed)

5.8 GHz 300 mW Radio (assembled upon order)

Router, bridge and backhaul modes

Interoperable Wi-Fi (WECA) certified parts

Patented hermetically sealed enclosure

Modular Design

Enclosure Dimensions:

WG-300-8	11 in (H)	9 in (W)	5.5 in (D)
	13 in (H)	11 in (W)	6 in (D)
(- - - Custom Application Size - - -)			

Internal Specifications

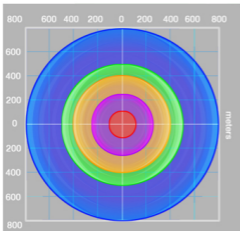
Pentium 4 class processor

High Speed DDR DRAM

Solid-State Mass Storage

Maglev fan

Speed and Range Connectivity



Standard Industry AP signal range

- 45-135 meters (.03 - .08 miles)

Wi-Gate 300 AP Signal Range

- 54 Mbps / 250 meters (.15 mile)
- 11 Mbps / 400 meters (.25 mile)

With Customer Premise Equipment

- 54 Mbps / 500 meters (.30 mile)
- 11 Mbps / 800 meters (.50 mile)

IP Based Applications

- Business Networking
- Guest Wi-Fi amenity service
- IP Video Surveillance
- Access Control
- Biometrics Control
- VOIP
- Integrates with any IP based system

Wireless Standards

- NAT Support
- DHCP Server and Client
- DNS Relay
- 802.11 a/b/g
- Wimax™ ready

Interface Connections

- 10/100 RJ-45 w/auto-detect (3: 1 external, 2 internal)
- PoE 18V DC external, 18 W (up to 200 ft.)
- PoE 48V DC external, 18 W (up to 300 ft.)
- RS-232 Console Port (internal)

Warranty

1-year limited hardware warranty

Security Features

- Serial, Web and SSH Password
- Filtering by MAC or IP address
- 2-Level User Access
- Address blocking and firewall
- WPA-PSK wireless encryption
- Built in VPN server 128 bit MPPE encryption
- MS-Chap v2 user authentication

Management

- SNMP read only mode
- Web based configuration and management interface
- SYSLOG reporting
- Bandwidth Shaper
- Built-in Traffic Analyzer

Environmental Specifications

- Operating Temp: 0° to 40°C, 32° to 104°F
- Storage Temp: -40° to 70°C, -40° to 158°F
- Humidity Range: 5% to 95% (non-condensing)
- UL listed NEMA 3,3R, 4, 4X, 12, & 13
- JIC Standard enclosure & CSA Certified



Wigate Access Points... where no WiFi has gone before