

VigorAP 918R Series

802.11ac Dual-Band PoE Outdoor Access Point



DrayTek VigorAP918R Series is a compact outdoor wireless access point. It provides combined speeds of up to 1.3 Gbps and a capacity of 200+ active users. The series includes an RPD model, which is equipped with a PoE-Out port to deliver connectivity and power to another network device, such as an IP camera, and the internal 5GHz directional patch antenna can enhance the wireless performance for long-range point-to-point connection.

Key Features



Mesh

Easily link to other VigorAP to expand the wireless network.



Assisted Wi-Fi Roaming

Solve the sticky client problem and improve Wi-Fi roaming experience.



Weather Resistant

VigorAP 918R Series can withstand rain, heat, and cold to deliver internet connectivity to the outdoor environments.



Local RADIUS Server

User profile database for local and external 802.1x authentication.



Multiple SSID

Mapping Wi-Fi clients to different VLANs and have a different set of security standards.



Central AP Management

Manage, maintain, and monitor VigorAP 912C from the DrayTek routers.



Airtime Fairness

Equalize the transmission time of each client so the legacy devices won't slow everyone down.



PoE Power Supply

Simplify the infrastructure by getting data and power through a single cable.

Ac1300

Delivers 867 Mbps at 5GHz,
400 Mbps at 2.4GHz

256 Active Users

At Maximum,
128 Per Radio

IP-67

Rated Water and
Dust Resistant

-40 to 70°C

Wide Operating
Temperature Range

Specification

Interface

LAN Port	1x 10/100/1000Base-T Ethernet, RJ-45, PoE-In 1x 10/100/1000Base-T Ethernet, RJ-45, PoE-Out (918RPD)
Antenna	2x Dual-Band di-pole External (Gain: 5 dBi for 5GHz, 3.5 dBi for 2.4GHz) 1x internal 11 dBi 5GHz Directional Patched (918RPD)
Built-In Sensor Button	Temperature & Humidity 1 x Factory Reset button

Capacity

2.4GHz Peak Speed	400 Mbps
5GHz Peak Speed	867 Mbps
Max. Number of Concurrent Active Clients	256 (128 per radio band)

WLAN

2.4GHz Standard	IEEE 802.11b/g/n 2x2 MIMO
5GHz Standard	IEEE 802.11a/n/ac Wave 2 2x2 MIMO
Operating Mode	AP, Mesh Root, Mesh Node, Range Extender
Fast Roaming (WPA2/802.1X)	•
AP-Assisted Roaming	•
Airtime Fairness	•
Band Steering	•
Auto Channel Selection	•
Max. Number of SSID	8 (4 per radio band)
Authentication	Pre-Shared Key, 802.1X
WPS	•
Client Isolation	•
Access Control List	•
Bandwidth Limit per Client	•
Client Numer Limit	Per radio, Per SSID
Connection Time Control	•
Mobile Device Management	•
WMM	•

Application

Built-in RADIUS Server	•
RADIUS Proxy	PEAP, EAP-TLS
DHCP	DHCP Server, DHCP, Client, DHCP Relay Agent
Static IP	•
MAC Clone	•
802.1q VLAN	•
Schedule	Auto-Reboot, Wi-Fi Up/Down, LED On/Off

Management

Local Service	HTTP, HTTPS, Telnet
Configuration	Stand Alone, TR-069 (VigorACS), Vigor Router APM, VigorAP Mesh Root
Firmware Upgrade	HTTP, TFTP, TR-069
Tools	Speed Test, AP Discovery, Statistics, DHCP Table, Interference Monitor
Notification Alert	E-mail
SNMP	v2, v2c, v3
Syslog	•
Managed by VigorConnect	• (future support)
Managed by VigorACS	• (future support)

	PoE Out	Directional Antenna
VigorAP 918RPD	•	•
VigorAP 918R		

