DrayTek

VigorAP 920R Series

Ruggedised Outdoor AP

- IP67 Rated Water-Resistance
- Dual-band 2x2 MU-MIMO 802.11ac Wave 2
- PoE-capable Gigabit Ethernet LAN port
- Supports up to 128 clients per radio
- High-Performance wireless AP/Bridge/Repeater
- Compliant with VigorACS 2 & Vigor APM

DrayTek VigorAP 920R Series outdoor access point is designed to provide high-performance wireless connections to the rugged environment. Featuring IP67 water resistance rating and industrial-grade components, VigorAP 920R Series is able to withstand heat, wind, rain, and snow. And its 802.11ac Wave 2 compliance ensures a fast and reliable connection even in a high-density network.

MU-MIMO 802.11ac Wave 2
VigorAP 920R Series provides concurrent dual band, allows up to 128 clients on each band, up to 256 clients totally. VigorAP 920R Series features the latest Wi-Fi technology to deliver faster speed, it supports 802.11ac Wave 2 in the 5GHz band and 802.11n in the 2.4G band. The support of Multi-User MIMO (MU-MIMO) increases its radio efficiency even more and allows it to offer high performance in a crowded network.

IP67 Rated Dust & Water Resistant
VigorAP 920R Series is certified with an IP67 rating, which means it is water-resistant and is fully protected against entry of dust. Furthermore, it is made of industrial-grade components which are able to withstand cold and heat. VigorAP 920R Series can be operated well between -40°C and 70°C, and therefore is suitable for different and extreme weather conditions.

PoE-Capable Gigabit Ethernet
VigorAP 920R Series can be powered by the Gigabit LAN port, which will make its deployment more flexible. Moreover, it comes with variants - VigorAP 920RP/RPD – which can be powered by PoE, and at the same time provides power to another PoE-PD, such as an IP camera.

Energy Efficient
In response to the needs of energy saving, VigorAP 920R Series outdoor access point is IEEE802.3az compliant which is able to reduce the energy consumption for both ends of the network connection.

Compliance with VigorACS 2 Central Management System and AP Management
VigorAP92R Series is also ready for mass deployment, it can be managed and monitored through VigorACS 2 or the Vigor Routers which features Central AP management. Through those central management platforms, VigorAP 920R Series can get common configuration, firmware upgrades, and an overview of the client statistics.

Hardware Interface

Interface	• 1 x 10/100/1000M Base-T PoE-capable RJ-45 Port (PD-in) • 2 x 10/100/1000M Base-T PoE-capable RJ-45 Port(P model) 　• Port 1: Power over Ethernet (PD in) 　• Port 2: Power over Ethernet (PSE out) • 1 x Factory Reset Button
Built-in Sensor	• Temperature sensor • Humidity sensor
Power Saving	• IEEE 802.3az Energy Efficient Ethernet compliant
Environmental	• Operating Temperature: -40°C ~ 70 °C • Storage Temperature: -50°C ~ 85°C • Operating Humidity: 5% ~ 95% non-condensing • IP67 Rated

Wireless

Standards	• 802.11ac Wave 2 • 802.11n • 802.11a • 802.11g • 802.11b
MIMO	• 2 x 2
WLAN	• MU-MIMO (2 clients) • Up to 128 clients per radio • DHCP Server • DHCP Relay Agent • MAC Clone
SSID	• Up to 4 per radio • SSID-based 802.1Q VLAN
Security	• WEP, WEP-802.1x, WPA-PSK, WPA-802.1x, WPA2-PSK, WPA2-802.1x • Hidden SSID • Client Isolation • Access Control per SSID • WPS
802.1x Authentication	• Internal RADIUS Server: PEAP • RADIUS Proxy: PEAP, EAP-TLS
Performance Optimization	• Bandwidth Limit Per Station • Auto-Adjustment Bandwidth Limit when spare bandwidth available • WMM
Load Balancing	• Client Limit per radio • Client Limit per SSID • Traffic Limit per radio * • Force Overload Disassociation by RSSI Threshold, Idle Time * (*: controller required)
Roaming	• Fast Roaming (WPA2/802.1x) • AP-Assisted Roaming (Disassociation by Basic Rate threshold, RSSI threshold, RSSI threshold with stronger signal guaranteed)
Web Portal	• Welcome Message • URL Redirection • Button Click Authentication
Mobile Device Management	• Access Control by device type • Policy per SSID • Client OS Statistics
Operating Mode	• Access Point • Universal Repeater • AP Bridge WDS • AP Bridge Point-to-Point (2.4 GHz only) • AP Bridge Point-to-Multipoint (2.4 GHz only) • Station Infrastructure (2.4 GHz only)

Management

Configuration	• Web Interface (HTTP, HTTPS) • CLI (Telnet) • SNMP v1, v2c, v3 • TR-069 via VigorACS • Vigor Router AP Management • Configuration File Export & Import
Firmware upgrade	• HTTP • TR-069 via VigorACS • Vigor Router AP Management
Diagnostics Tool	• Syslog • Speed Test • AP Discovery • WLAN Statistics • Station Statistics • Interference Monitor

	PoE Out	Directional Antenna
VigorAP 920RPD	●	●
VigorAP 920RP	●	
VigorAP 920R		