

DrayTek VigorAP 960C 802.11ax Ceiling-mount Access Point



Product Name: DrayTek VigorAP 960C 802.11ax Ceiling-mount Access Point

Manufacturer: Draytek

Model Number: VAP960C-K

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The DrayTek VigorAP 960C is an 11ax ceiling-mount wireless access point. With wire-like speed up to 1.2 Gbps in 5GHz band and 600Mbps in 2.4GHz, it's suitable for high density environments. It can be cloud-managed by VigorACS, and also act as the mesh Root AP to manage up to 7 mesh node APs in LAN.

DrayTek VigorAP 960C Key Features

• Dual-Band: Concurrent 5GHz and 2.4GHz

• AX1800: Delivers speed up to 1.8 Gbps

• 256 Users: Active at maximum, 128 per radio

• 1x LAN Port: 1x 10/100/1000M Base-T RJ-45

Utilise Transmission Opportunity with OFDMA
OFDMA is available in 802.11ax for multi-user mode. Traditionally with OFDM, each frame is transmitted across the entire channel width. With low-rate transmission still using the whole channel, it brings latency and jitter to others and lower the overall efficiency. OFDMA splits a single transmission into groups of subcarriers, and each subcarrier can be used by different client. With multiple clients transmitting simultaneously in the same channel, it improves efficiency of every single transmission opportunity and thus increases the wireless experiences in high density environment.

Mobile Device Management Station List and Allow/Block List. The VigorAP records associated devices with signal strength, airtime, link rate, data usage, etc. Network admin can track clients connectivity and activities history on this single panel. If spotting suspicious activities, allow/block policies can also be made right away by MAC or device type. AP Assisted Roaming Disassociate the Wireless clients who are out of the effective transmission range defined by custom Basic Rate or/and RSSI threshold, and force them to pick up another access point with a stronger signal. Proactively kick out the clients with a low basic rate or low RSSI can prevent the access points trying to do ineffective transmission but saving the airtime, which will result in better WLAN experience for all. Assisted Roaming is a feature built in all Vigor Access Points and selected Wireless routers. They operate without a wireless controller, providing an ideal solution for simple network deployment. By using the "Minimum RSSI with Adjacent AP" option, the AP/Router on the same local subnet will exchange client information with each other, providing the choice to disassociate the client only when other AP detecting a stronger signal. Thus to keep the client stayed when there is no other AP nearby.

DrayTek VigorAP 960C Technical Specifications

Interface

• LAN Port: 1x 10/100/1000M Base-T, RJ-45 (PoE-PD Support)

• Antenna: - 2x Internal PiFA Dual-Band- Gain: 3 dBi for 5GHz, 1.3 dBi for 2.4GHz

• Button: 1x Factory Reset Button

• DC Power Jack: 1

• Security Lock: 1

Capacity

• 2.4GHz Peak Speed: 600 Mbps

• 5GHz Peak Speed: 1200 Mbps

• Max. Number of Concurrent Active Clients: 256 (128 per radio band)

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WLAN

- 2.4GHz Standard: IEEE 802.11b/g/n/ax 2x2 MIMO
- 5GHz Standard: IEEE 802.11a/n/ac Wave 2/ax 2x2 MU-MIMO
- Operating Mode: AP, Mesh Root, Mesh Node, Range Extender
- Roaming: AP-Assisted Roaming, PMK-Caching, Pre-Authentication
- AirTime Fairness: Yes
- Band Steering: Yes
- Auto Channel Selection: Yes
- Max. Number of SSID: 8 (4 per radio band)
- WDS: Yes
- Bandwidth Limit per Client: Yes
- Client Numer Limit: Per radio, Per SSID
- Connection Time Control: Yes
- WMM: Yes

Security

- Security Mode: WPA3, WPA3/WPA2, WPA2, WPA2/WPA, OWE, WPA, WEP, None
- Authentication: Personal, Enterprise
- WPS: PIN, PBC
- Hidden SSIDs: Yes
- MAC Address Filter: Up to 256 entries
- Wireless Client Isolation: Yes
- Mobile Device Management: Yes

Application

- Built-in RADIUS Server: Yes
- RADIUS Proxy: PEAP, EAP-TLS
- Hotspot Web Portal: Yes
- DHCP: DHCP Server, DHCP, Client, DHCP Relay AgentStatic IP: Yes
- MAC Clone: Yes
- 802.1q VLAN: Yes
- Schedule: Auto-Reboot, Wi-Fi Up/Down, LED On/Off

Management

- Local Service: HTTP, HTTPS, Telnet
- Configuration: Stand Alone, TR-069 (VigorACS), VigorRouter APM, VigorAP Mesh Root
- Firmware Upgrade: HTTP, TFTP, TR-069
- Tools: Speed Test, AP Discovery, Statistics, Interference Monitor
- Configuration Backup and Restore: Yes
- Syslog: Yes
- Mail Alert: Yes
- SNMP: v1, v2c, v3
- Managed by VigorConnect: Yes
- Managed by VigorACS: Yes
- Central AP Management: 30 VigorAP

Physical

- Environment: Indoor
- Mounting: Ceiling Mount, Wall Mount
- Power Method: DC 12V @ 1A / 802.3af PoE

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• Max. Power Consumption: 11 watts
• Dimension: 178 mm x 178 mm x 35 mm
• Weight: 380 g
• Operating Temperature: 0 to 40°C
• Storage Temperature: -20 to 60°C
• Operating Humidity: 10 to 90% non-condensing

Price: Â£192.20
