

High Performance 802.11ax Wireless for High Density Environment



VigorAP 1060C is the most powerful wireless AP we've ever made. With 3.6Gbps aggregated max rate, it's suitable for high density environments. It can be cloud-managed by VigorACS, and also act as the master AP to manage up to 16 slave VigorAPs in LAN.

802.11ax

1.2Gbps for 2.4GHz
2.4Gbps for 5GHz

2.5 GbE Uplink

For the high performance wireless, with PoE-In

24x7 RF Scanning

For RF Analytics and Security

16 SSIDs

8 per radio

High Performance Wireless

High Performance 802.11ax Wireless

Equipped with 4x4:4 for both 2.4GHz and 5GHz, providing 3.6Gbps aggregated max link rate. With a 2.5GbE uplink port supporting PoE+ 802.3at. MU-MIMO and OFDMA improve efficiency in high density environment.

2.4GHz Wireless Performance



2.8x Faster wireless performance

5GHz Wireless Performance

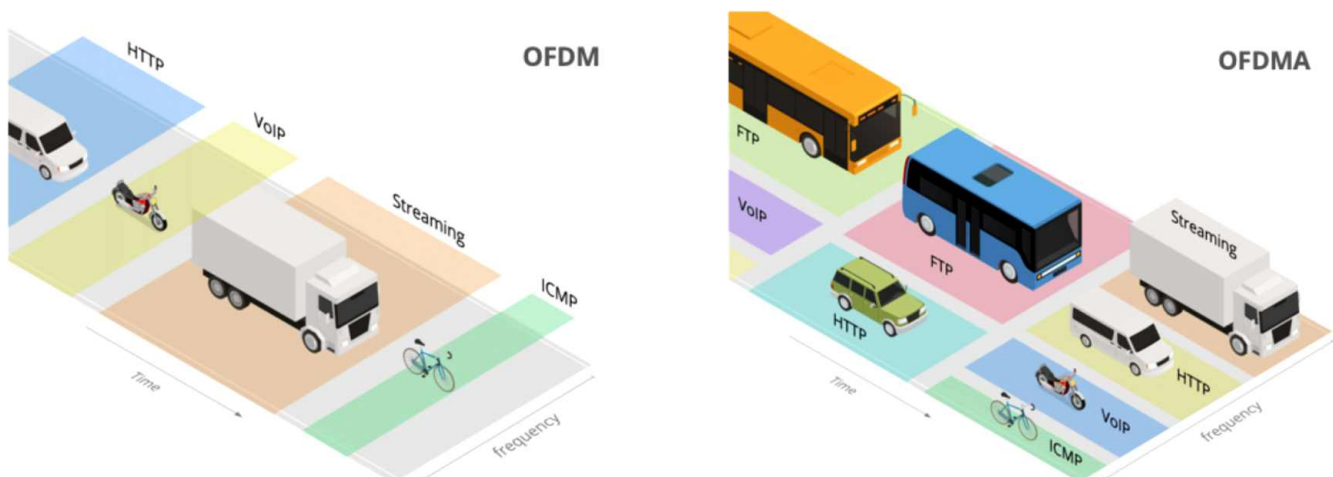


3.2x Faster wireless performance

Utilize Transmission Opportunity with OFDMA

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.



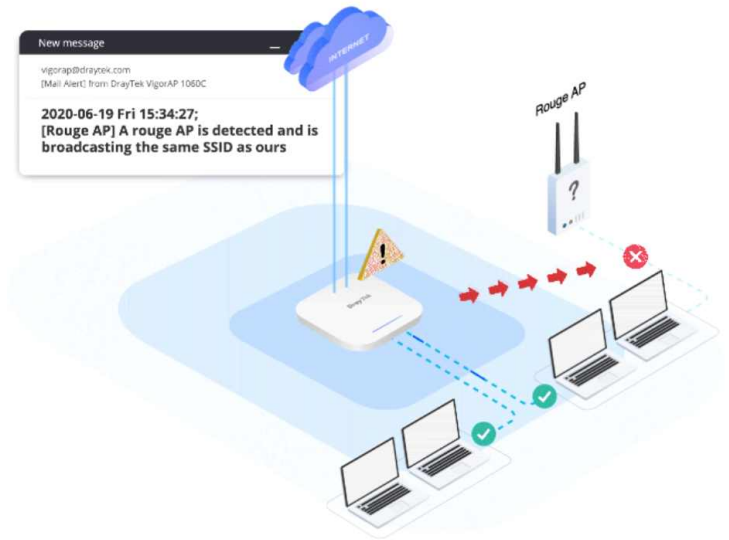
Third Radio for 24x7 RF Analytics and Security

RF Analytics and Auto Channel

VigorAP 1060C with a dedicated third radio is able to constantly monitor on all channels for airtime availability and channel utilization. When setting up a new wireless network, VigorAP will automatically select the best channel, and if a channel is getting too crowded, a channel switch announcement message will be sent to move clients to better channel.

Wireless Security with WIDS/WIPS

The dedicated radio can also keep monitoring on rouge APs and rouge clients. When detecting unknown AP or unknown wireless clients, VigorAP 1060C can notify network admin for further action; while detecting rouge AP or rouge clients, further action can be made, such as flooding the rouge device with 802.11 de-authentication frames to stop that being functioning.



AP Management

Master AP to Manage Other Members

VigorAP 1060C is capable of working as the primary AP and managing up to 16 VigorAPs within the same LAN subnet.

Zero Touch Deployment

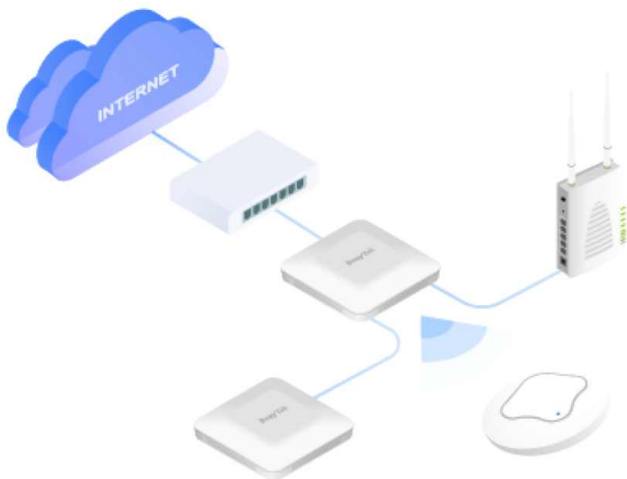
Auto detect other VigorAPs within the same LAN, add them into management list, and provision pre-configured AP profile to have a unified AP setting.

AP Monitoring

On the status monitoring page, the VigorAP 1060C presents a list of all the VigorAPs on its management list, and you can see their IP address, operating channel, SSID of each radio, number of clients, and firmware version all in one page, and the AP offline can be easily spotted.

Wireless Clients Load Balancing

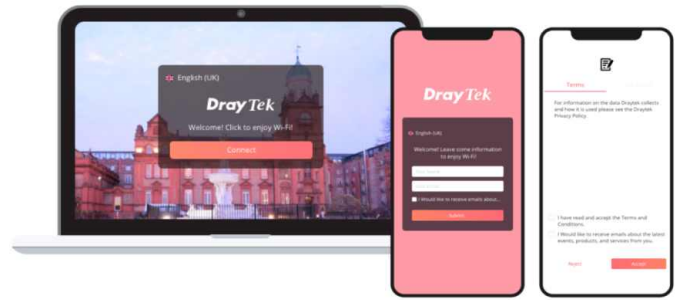
Keeping an AP from being overloaded and assure good wireless experience by applying a client limit or traffic limit to VigorAPs. When the number of clients or amount of traffic of a single AP reaches the threshold, make it disassociate the idle client or the client with the weakest signal, or stop accepting new clients.



Client Management with Captive Portal

Hotspot with External Captive Portal Server

Working as NAS (network access server), VigorAP 1060C supports the 802.1x standard. It can redirect new clients to the designated portal server to go through the hotspot login process and receive corresponding RADIUS attributes to perform bandwidth limit and time limit accordingly. This function is ideal for retail, restaurants, coffee shops, and hospitality to do WiFi marketing and learn more about their clients.



Interface

LAN Port	1 x 2.5 GbE RJ45 with PoE.in
Antenna	4 x Internal Single-Band PiFA Antenna (2.4G) 4 x Internal Single-Band PiFA Antenna (5G) 1 x Internal Scanning Antenna
Button	1 x Factory Reset Button
Security Lock	•

Capacity

2.4GHz Peak Speed	1.2 Gbps
5GHz Peak Speed	2.4 Gbps

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	•
iOS Keep Alive	•
Schedule	Auto-Reboot, Wi-Fi Up/Down, LED On/Off, Sound Buzzer

Security

Security Mode	WEP, WPA, WPA2, WPA3, Mixed (WPA+WPA2), Mixed(WPA2+WPA3)
Authentication	Pre-Shared Key, 802.1X
WPS	PIN, PBC
Hidden SSIDs	•
MAC Address Filter	Up to 384 entries
Wireless Client Isolation	•
Mobile Device Management	•

WLAN

2.4GHz Standard	IEEE 802.11b/g/n/ax 4x4 MIMO
5GHz Standard	IEEE 802.11a/n/ac wave 2/ax 4x4 MU-MIMO
Operating Mode	AP, Mesh Root, Mesh Node, Range Extender
Roaming	AP-Assisted Roaming, PMK-Caching, Pre-Authentication
AirTime Fairness	•
Band Steering	•
Auto Channel Selection	•
Max. Number of SSID	16 (8 per radio band)
WDS	•
Bandwidth Limit per Client	•
Client Number Limit	Per radio, Per SSID
Connection Time Control	•
WMM	•

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 , Interference Monitor, Where Am I
Configuration Backup and Restore	•
Syslog	•
Mail Alert	•
SNMP	v1, v2c, v3
Managed by VigorConnect	•
Managed by VigorACS	•