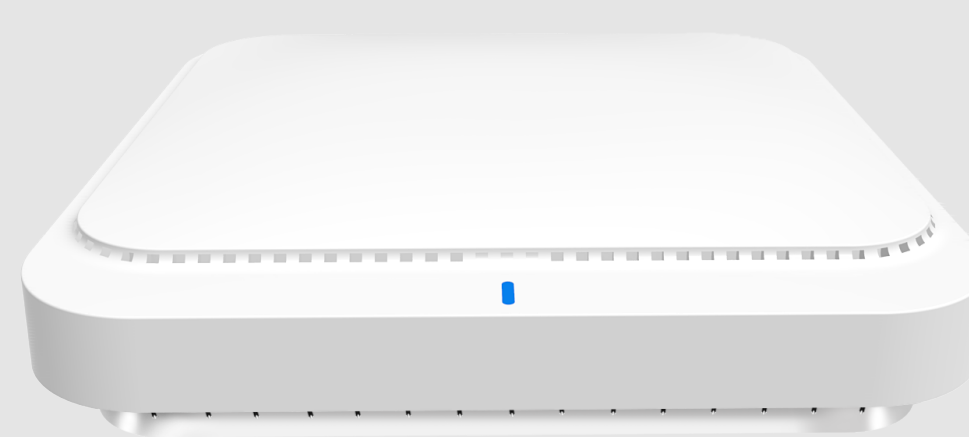


Vega

Ray Vega, ideal choice for medium density environment



Ray Vega is an ideal choice for medium-density indoor environment. Blanket your entire space in a seamless WiFi experience and dependably scale to meet your business requirements. Equipped with Cloud-managed solutions Vega automates software and security update provisioning so that you can reliably put your feet up and stay ahead of the game.

Craft a special experience for your customers by addressing their individual needs. Understand visitor movement, creating personalized experiences, select the right audience to make the most of location-based insights. Manage how different users utilize your network, quickly diagnose problems, spot issues and find recommendations for troubleshooting and carry out

on-demand network upgrades. Address all your demands of simplified management, analytics and insights without compromising on security or performance.

Engineered to best meet network access management and analytics needs, Vega delivers the ideal combination of dependability and coverage for medium-density indoor locations. Depend on reliable performance and flexibility, address demands made on storage or network with remarkable ease. Ray allows you to future-proof your investment by flexibly scaling as your business grows. Assure consistent connectivity without complex configuration needs.

BENEFITS

Coverage Capacity

Ensure superfast connections even with additional devices with high performance Wave 2 Wi-Fi with SFP and 2 gigabit Ethernet ports.

Deliver Performance

Present exceptional performance, remarkable speed and unparalleled flexibility in offerings with Ray by utilizing over 4,000 directional antenna patterns.

Efficient Management

Our cloud-driven modern solutions automate planning, provisioning and service activation across the network without a controller.

Optimal Throughput

Ray automatically detects the least congested channels and utilizes it for best performance ensuring the highest throughput the band can afford

Equip More Devices

Simultaneously use multiple devices at blazing fast speeds with Ray using its four MU-MIMO spatial streams and concurrent dual-band 2.4/5GHz radios.

Beyond Wi-Fi

Make Ray a powerful tool for determining your business strategy by gaining valuable user information and easily interpreting insights

SPECIFICATIONS

WI-FI	
Wi-Fi Standards	<ul style="list-style-type: none"> IEEE 802.11a/b/g/n/ac Wave 2
Supported Rates	<ul style="list-style-type: none"> 802.11ac: 6.5 to 867Mbps (MCS0 to MCS9, NSS = 1 to 2 for VHT20/40/80) 802.11n: 6.5 Mbps to 300Mbps (MCS0 to MCS15) 802.11a/g: 54, 48, 36, 24, 18, 12, 9, 6Mbps 802.11b: 11, 5.5, 2 and 1 Mbps
Supported Channels	<ul style="list-style-type: none"> 2.4GHz: 1-13 5GHz: 36-64, 100-144, 149-165
MIMO	<ul style="list-style-type: none"> 2x2 SU-MIMO 2x2 MU-MIMO
Spatial Streams	<ul style="list-style-type: none"> 2 SU-MIMO 2 MU-MIMO
Radio Chains and Streams	<ul style="list-style-type: none"> 2x2:2
Channelization	<ul style="list-style-type: none"> 20, 40, 80MHz
Security	<ul style="list-style-type: none"> WPA-PSK, WPA-TKIP, WPA2 AES, 802.11i, DynamicPSK WIPS/WIDS
Other Wi-Fi Features	<ul style="list-style-type: none"> WMM, Power Save, Tx Beamforming, LDPC, STBC, 802.11r/k/v Hotspot Hotspot 2.0 Captive Portal WISPr

PHYSICAL INTERFACES	
Ethernet	<ul style="list-style-type: none"> 2 x 1GbE ports, RJ-45, PoE in on one port

PHYSICAL CHARACTERISTICS	
Physical Size	<ul style="list-style-type: none"> 198 x 198 mm
Mounting	<ul style="list-style-type: none"> Wall, Drop ceiling, Desk
Environment	<ul style="list-style-type: none"> Operating Temperature: -20~55 °C Limit Working Temperature: -30~70 °C Storage Temperature: -40~70 °C Humidity: 5%~95% non-condensing

POWER	
Power consumption	<ul style="list-style-type: none"> 48V PoE<30W

PERFORMANCE AND CAPACITY	
Peak PHY Rates	<ul style="list-style-type: none"> 2.4GHz: 300Mbps 5GHz: 867Mbps
Client Capacity	<ul style="list-style-type: none"> Up to 512 clients per AP
SSID	<ul style="list-style-type: none"> Up to 31 per AP

NETWORKING	
Mesh	<ul style="list-style-type: none"> Wi-Fi SON (Self-Organizing Network)
IP	<ul style="list-style-type: none"> IPv4, IPv6
VLAN	<ul style="list-style-type: none"> 802.1Q (1 per BSSID or dynamic per use based on RADIUS) VLAN Pooling Port-based
802.1x	<ul style="list-style-type: none"> Authenticator & Supplicant
Tunnel	<ul style="list-style-type: none"> L2TP, GRE
Policy Management Tools	<ul style="list-style-type: none"> Application Recognition and Control Access Control Lists Device Fingerprinting Rate Limiting Time based Policy Device based Policy Application based Policy
IoT Capable	<ul style="list-style-type: none"> Yes

RF	
Antenna Type	<ul style="list-style-type: none"> Adaptive antenna that provides up to 64 unique antenna patterns per band
Antenna Gain (max)	<ul style="list-style-type: none"> Up to 5dBi
Peak Transmit Power (aggregate across MIMO chains)	<ul style="list-style-type: none"> 2.4GHz: 26dBm 5GHz: 25dBm
Minimum Receive Sensitivity	<ul style="list-style-type: none"> -101dBm (2.4GHz) -96dBm (5GHz)
Frequency Bands	<ul style="list-style-type: none"> ISM (2.4-2.484GHz) U-NII-1 (5.15-5.25GHz) U-NII-2A (5.25-5.35GHz) U-NII-2C (5.47-5.725GHz) U-NII-3 (5.725-5.85GHz)

RAY RADIO MANAGEMENT	
Wi-Fi Channel Management	<ul style="list-style-type: none"> Background Scan Based
Client Density Management	<ul style="list-style-type: none"> Adaptive Band Balancing Client Load Balancing Airtime Fairness Airtime-based WLAN Prioritization
Quality of Service	<ul style="list-style-type: none"> QoS-based scheduling Directed Multicast L2/L3/L4 ACLs
Mobility	<ul style="list-style-type: none"> 802.11r
Diagnostic Tools	<ul style="list-style-type: none"> PCAP