Managed
Network
Services

Wi-Fi Access Points

Managed Network Services

Our full range of indoor and outdoor Wi-Fi access points deliver fast, reliable and secure wireless connectivity for businesses of all sizes, and are deployed, configured and fully managed by Sangoma experts from our Network Operations Center (NOC).

Centralized control of local access configurations includes: WIPS security, policy and SSID changes, as well as onboard scanning and mitigating of wireless threats. Wi-Fi access points make a fantastic addition to Sangoma's Managed Network Services, including SD-WAN, VPN and firewall services.

Next Generation Capacity

Wi-Fi 6 (802.11ax) enables all our access points with increased data rates, support for more concurrent devices and more efficient communication in both upstream and downstream transmissions for maximum performance.

Network Optimization

Application-based traffic shaping prioritizes the data packets of specific applications over others, ensuring the performance of mission critical applications for businesses.

Hardened Security

Dedicated radio provides real-time WIDS/WIPS, protecting from common wireless threats. Businesses can define specific access methods including WPA3, RADIUS integration, domain-based authentication and more.

Feature Highlights

- Wi-Fi 6, 802.11ax
- Integrated enterprise security and guest access
- Application-aware traffic shaping
- Optimized for voice and video
- Self-configuring, plug-and-play deployments
- Band steering and RF Optimization
- Bluetooth Low Energy (BLE) radios for beacon support

Bluetooth Beacons

Dedicated Bluetooth Low Energy (BLE) Radios enable organizations to use bluetooth beacons for location awareness for their applications, such as: personnel location, proximity marketing, asset tracing and employee safety management.

	Fortinet 221E	Meraki MR28	Meraki MR36	Meraki MR44	Meraki MR76
Usage	General Purpose	Indoor use, medium-density environments	Medium density environments such as offices, schools, hospitals, shops, and hotels	Great for crowded environments with many concurrent connections	Great for medium density environments with outdoor connectivity requirements
Generation	Wi-Fi 5	Wi-Fi 6	Wi-Fi 6	Wi-Fi 6	Wi-Fi 6
Radio	2x2:2 MU-MIMO Wave 2 (802.11ac)	2x2:2 MU-MIMO + OFDMA (802.11ax)	2x2:2 MU-MIMO + OFDMA (802.11ax)	2x2:2 (2.4GHz) + 4x4:4 (5GHz) MU-MIMO + OFDMA (802.11ax)	2x2:2 MU-MIMO + OFDMA (802.11ax)
Radio Frequencies	2.4 and 5 GHz	2.4 and 5 GHz	2.4 and 5 GHz	2.4 and 5 GHz	2.4 and 5 GHz
Antenna	Internal	Internal	Internal	Internal	External
Data Rate	1.2 Gbps*	1.5 Gbps*	1.7 Gbps*	3 Gbps*	1.7 Gbps*
Power	IEEE 802.3af (12.9W max)	IEEE 803.3af (15W max)	IEEE 803.3af (15W max)	IEEE 802.3at (30W max) or 802.3af (15W max) low power mode	IEEE 803.3af (15W max)
Management	Cloud Managed	Cloud Managed	Cloud Managed	Cloud Managed	Cloud Managed
Authentication	WPA, WPA2 & WPA3 with 802.1x or preshared key, WEP, Web Captive Portal, MAC blocklist & allowlist	WEP, WPA, WPA2-PSK, WPA2-Enterprise with 802.1X, WPA3 - Personal, WPA3 - Enterprise, WPA3 - Enhanced Open (OWE)	WEP, WPA, WPA2-PSK, WPA2-Enterprise with 802.1X, WPA3 - Personal, WPA3 - Enterprise, WPA3 - Enhanced Open (OWE)	WEP, WPA, WPA2-PSK, WPA2-Enterprise with 802.1X, WPA3 - Personal, WPA3 - Enterprise, WPA3 - Enhanced Open (OWE)	WEP, WPA, WPA2-PSK, WPA2-Enterprise with 802.1X, WPA3 - Personal, WPA3 - Enterprise, WPA3 - Enhanced Open (OWE)
Security Radio	Integrated Radio	N/A	Dedicated Radio	Dedicated Radio	Dedicated Radio
Firewall		✔	✔	✔	✔
Guest Segmentation	✔	✔	✔	✔	✔
Location Analytics		✔	✔	✔	✔
RF Optimization		✔	✔	✔	✔
Bluetooth	✔	✔	✔	✔	✔
Traffic Shaping		✔	✔	✔	✔
Air Marshall		✔	✔	✔	✔
Mesh	✔	✔	✔	✔	✔
Self Config		✔	✔	✔	✔

*Data rate numbers are an aggregate between all radios on the access point