

Enterprise Wi-Fi Comparison Guide



	FortiAP 221E	Meraki MR33	Meraki MR42
Usage	Medium density indoor environments	Medium density indoor environments	High density indoor environments
Radios	2x2:2 MIMO Wave 2	2x2:2 MIMO Wave 2	3x3:3 MU - MIMO Wave 2
Bands	2.4GHz, 5GHz	2.4GHz, 5GHz	2.4GHz, 5GHz
Radio Frequencies	Radio 1:2.4 GHz Radio 2:5 GHz	Radio 1:2.4 GHz Radio 2:5 GHz Radio 3:2.4 GHz & 5 GHz with WIDS \ WIPS, spectrum analysis, and location analytics	Radio 1:2.4 GHz Radio 2:5 GHz Radio 3:2.4 GHz & 5 GHz with WIDS/WIPS, spectrum analysis, and location analytics Radio 4:2.4 GHz Bluetooth Low Energy (BLE) radio with beacon and BLE scanning support
Data Rate	Up to 1.2 Gbps	Up to 1.3 Gbps	Up to 1.9 Gbps
Ethernet Ports	1 X GE RJ45	1 X GE RJ45	1 X GE RJ45
Power	IEEE 802.3at (12.9W max)	IEEE 802.3at (11W max)	IEEE 802.3at (20W max)
Management	Controller Managed	Cloud Managed	Cloud Managed
Authentication	WPA, WPA2-PSK, WEP, simple captive portal	WPA, WPA2-Enterprise with 802.1x, WEP, customizable captive portal: social media, external URL, LDAP, billing integration	WPA, WPA2-Enterprise with 802.1x, WEP, customizable captive portal: social media, external URL, LDAP, billing integration
Security Radio	Integrated Radio	Dedicated Radio	Dedicated Radio
Firewall		✓	✓
Guest Segmentation	✓	✓	✓
Location Analytics		✓	✓
RF Optimization		✓	✓
Bluetooth			✓
Traffic Shaping		✓	✓
Air Marshall		✓	✓
Mesh	✓	✓	✓
Self Config		✓	✓