

Project title		Country Office
Date		05.11.2025
PN		96.9250.0-001.00
Contract No.		91191962
Technical Criteria: (Please complete (Yes/No))		
Supplier Name:		
Specification	Quantity	Bidders compliance (YES/NO)
CISCO MERAKI MR56	12	
Features		
4x4:4 (2.4GHz) and 8x8:8 (5GHz)MU-MIMO 802.11ax		
5.38* Gbps dual-radio aggregate frame rate		
24x7 real-time WIDS/WIPS and spectrum analytics via dedicated third radio		
Integrated Bluetooth Low Energy Beacon		
Integrated scanning radio		
MR56-HW: Meraki MR56 Cloud Managed 802.11ax AP		
Radio		
2.4 GHz & 5 GHz dual-band WIDS/WIPS, spectrum analysis, & location analytics radio		
2.4 GHz Bluetooth Low Energy (BLE) radio with Beacon and BLE scanning support		
Concurrent operation of all four radios		
Antenna		
Internal Antenna (5.4 dBi gain at 2.4 GHz, 6 dBi gain at 5 GHz)		
802.11 ax, 802.11 ac Wave 2 and 802.11 n Capabilities		
Maximal ratio combining (MRC) & beamforming		
20 and 40 MHz* channels (802.11 n); 20, 40*, and 80 MHz channels (802.11ac Wave 2); 20, 40* and 80 MHz channels (802.11 ax)		
Up to 1024-QAM on both 2.4 GHz & 5 GHz bands		
Warranty		
Lifetime hardware warranty with advanced replacement included		
Power		
Power over Ethernet: 42.5 - 57 V (802.3at compliant)		
Alternative: 12 V DC input		
Power consumption: 30W max (802.3at required)		
Power over Ethernet injector and DC adapter Optional		
Interface		
1x 100/1000/2.5G/5G BASE-T Ethernet (RJ45)		
1x DC power connector (5.5 mm x 2.5 mm, center positive)		
Mounting		
All standard mounting hardware included Desktop, ceiling, and wall mount capable		
Security		
Integrated Layer 7 firewall with mobile device policy management		
containment with Air Marshal		
Flexible guest access with device isolation		
VLan tagging (802.1q) and tunneling with IPsec VPN		
Delivery lead time		