

TECHNICAL SPECIFICATIONS	
Qty	SPECIFICATIONS
12 units	Wireless LAN Access Points
	Features:
	<ul style="list-style-type: none"> • Can connect more devices simultaneously: Improved device performance, by enabling more simultaneous device connections with built-in 8 spatial streams (4x4:4 in 5GHz, 4x4:4 in 2.4GHz), MU-MIMO, and OFDMA technology.
	<ul style="list-style-type: none"> • High density performance: Provides end-user experience within large meeting halls, general enterprise spaces, and large classrooms.
	<ul style="list-style-type: none"> • Converged Access Point: Allows customers to eliminate siloed networks, unify WiFi and non-WiFi wireless technologies into one single network, and expand to any future wireless technologies through the USB port.
	<ul style="list-style-type: none"> • Multigigabit access speeds: Optimized multi-gigabit Wi-Fi performance delivered using the built-in 2.5GbE port to connect to multigigabit switches.
	<ul style="list-style-type: none"> • Multiple management options: Manage on-premise physical/ virtual appliances and control auto-provisioning for faster deployment and seamless firmware upgrades.
	<ul style="list-style-type: none"> • Enhanced Security: The latest Wi-Fi security standard with WPA3 and receive enhanced protection from man-in-the-middle attacks in the most secure way.
	<ul style="list-style-type: none"> • Wi-Fi Standards: IEEE 802/11a/b/g/n/ac/ax
	Supported Rates: <ul style="list-style-type: none"> • 802.11ax: 4 to 2400 Mbps • 802.11ac: 6.5 to 1732 Mbps • 802.11n: 6.5 to 600 Mbps • 802.11a/g: 6 to 54 Mbps • 802.11b: 1 to 11 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"> • 4x4 SU-MIMO • 4x4 MU-MIMO
	<ul style="list-style-type: none"> • Spatial Streams: 4 for both SU-MIMO & MU-MIMO
	<ul style="list-style-type: none"> • Radio Chains and Streams: 4x4:4
	<ul style="list-style-type: none"> • Channelization: 20,40, 80, 160Mhz
	<ul style="list-style-type: none"> • Security: WPA-PSK, WPA-TKIP, WPA2 AES, WPA3, 802.11i, Dynamic PSK, OWE; WIPS/WIDS
	Antenna Type: <ul style="list-style-type: none"> • Adaptive antennas with polarization diversity • Adaptive antenna that provides 4,000+ unique antenna patterns per band

	<p>Power:</p> <ul style="list-style-type: none"> • 802.3af PoE - 2.4GHz radio: 2x4, 19dBm per chain, 5GHz radio: 2x4, 20dBm per chain, 2nd Ethernet port, onboard IoT & USB disabled, Max Power Consumption: 12.54W
	<ul style="list-style-type: none"> • Either standalone or centrally managed and Integrated NAT and DHCP support
	<ul style="list-style-type: none"> • 2 Ethernet ports: (1) compatible with 802.3af Power over Ethernet (PoE)
	<ul style="list-style-type: none"> • Multicast IP video streaming support and Four software QoS queues per client station
	<ul style="list-style-type: none"> • Future support for advanced spectrum analysis
	<ul style="list-style-type: none"> • Up to 32 (2.4 GHz) and 16 (5 GHz) BSSIDs with unique QoS and security policies
	<ul style="list-style-type: none"> • Wall or ceiling mountable with unobtrusive design
	<ul style="list-style-type: none"> • Built-in mounting options for fast and easy deployment
	<ul style="list-style-type: none"> • WPA-PSK (AES), 802.1X support for RADIUS and AD
	<ul style="list-style-type: none"> • Zero-IT and Dynamic PSK* and Admission control/load balancing*
	<ul style="list-style-type: none"> • Band steering and airtime fairness and Captive portal and guest accounts
	<ul style="list-style-type: none"> • SmartMesh Networking
	<ul style="list-style-type: none"> • High-end 802.11ac AP with BeamFlex+
	<ul style="list-style-type: none"> • 1,300 Mbps (5GHz) 450 Mbps (2.4GHz) Maximum PHY rate
	<ul style="list-style-type: none"> • 512 Concurrent users
	<ul style="list-style-type: none"> • 3x3:3 Radio chains streams
	<ul style="list-style-type: none"> • 6dB BeamFlex gains
	<ul style="list-style-type: none"> • 15dB Maximum interference mitigation
	<ul style="list-style-type: none"> • Policy Management Tools: Access Control Lists, Device Fingerprinting, Application Recognition and Control, Rate Limiting
	<ul style="list-style-type: none"> • Mounting: Wall, acoustic ceiling, desk, Secure bracket
	<ul style="list-style-type: none"> • Must be adaptive and compatible with the current Wifi configuration and controller of BCDA.
	<ul style="list-style-type: none"> • Access Point Licenses must be included for the existing Wi-Fi controller.
	<ul style="list-style-type: none"> • Warranty: One (1) year of labor and parts
	<ul style="list-style-type: none"> • Higher specifications will be accepted.
	<ul style="list-style-type: none"> • The supplier must be an authorized service partner and/or reseller of the products being offered with certification.
	<p>NOTE: Section 62.1 of RA9184 IRR –For the procurement of Goods, in order to assure that manufacturing defects shall be corrected by the supplier, a warranty security shall be required from the contract awardee for a minimum period of three (3) months, in the case of Expendable Supplies, or a minimum period of one (1) year, in the case of Non-expendable Supplies, after acceptance by the Procuring Entity of the delivered supplies. The obligation for the warranty shall be covered by either retention money in an amount equivalent to at least one percent (1%) but not to exceed five percent (5%) of every progress payment, or a special bank guarantee equivalent to at least one percent (1%) but not to exceed five percent (5%) of the total contract price. The said amounts shall only be released after the lapse of the warranty period or, in the case of Expendable Supplies, after consumption thereof: Provided, however, That the supplies delivered are free from patent and latent defects and all the conditions imposed under the contract have been fully met.</p> <p>For this procurement, we shall be requiring a warranty security for a period of one year in the form of 1% Retention Money or 1% Special Bank Guarantee of the total contract price</p>