



QN-I-220 PRODUCT OVERVIEW

- Today's businesses and organizations cannot afford underperforming wireless infrastructure. Wi-Fi coverage has become mandatory for enterprises, educations and smart cities.
- QN-I-220 provides concurrent dual band, 802.11 AC Wave 2 wireless networking solution. MU-MIMO technology provides blazing fast speeds, awesome coverage and user density. QN-I-220 is managed by the QN Cloud Controller giving freedom to enterprises from managing controller hardware, licenses and support.
- Customers can deploy futuristic customer engagement solutions using BLE beacons powered by USB port. With QN COLLAB, we extend the solution beyond traditional usage.
- Each AP comes with three years' manufacturer's warranty from DATE OF ACTIVATION and theft prevention software to protect assets from misuse.
- Take the Quantum Leap today.



QN-I-220

KEY FEATURES

- **Packed with the latest Wave 2 technologies**
QN-I-220 is packed with all the advancements of Wave 2 AC access point. Channel bonding, Multi User MIMO and more.
- **Easy to Manage**
Easily manage wifi infrastructure through feature-rich QN Cloud Controller management console.
- **Phenomenal Wi-Fi Performance**
Engineered for phenomenal wifi performance even in high density environments for demanding voice and video applications.
- **Build next generation Guest Wi-Fi networks**
Deploy next generation customer service hotspots with integrated splash portal and BLE Beacons.
- **Track Assets and People**
Track assets and people using BLE sensors via QN COLLAB platform.
- **Theft prevention software**
Access point is locked for deployment in any other network until decommissioned from existing network.
- **Three Years Warranty**
Three years Limited Liability Manufacturer's Warranty from DATE OF ACTIVATION of device.
- **Beyond Wi-Fi**
Implement additional QN Partner services such as Radius Authentication, Web filtering and advanced Wifi service management.



QN-I-220

KEY SPECIFICATIONS

WIFI

Wi-Fi Standards	2.4 Ghz: IEEE 802.11b/g/n / 5 Ghz: IEEE 802.11a/n/ac
Operating Mode	Access point, Network Router
Supported Data Rates	802.11ac @ 80 MHz: 866, 780, 650, 585, 520, 390, 260, 195, 130, 65 Mbps 802.11n @ 40 MHz: 300, 270, 240, 180, 120, 90, 60, 30 Mbps 802.11a/g @ 20 MHz: 54, 48, 36, 24, 18, 12, 9, 6 Mbps 802.11b @ 20 MHz: 11, 5.5, 2, 1Mbps
Supported Channels	2.4 GHz: 1-13 / 5 GHz: 36-64, 100-144, 149-165
Modulation Schemes	802.11ac: 256-QAM, 64-QAM, 16-QAM, QPSK, BPSK 802.11a/g/n: 64-QAM, 16-QAM, QPSK, BPSK 802.11b: CCK, DQPSK, DBPSK
Spatial Streams	2x2:2 MU-MIMO
Channel Size	2.4 Ghz: 20/40 MHz / 5 Ghz: 20/40/80 MHz
Wireless Security	WPA2-TKIP/AES Personal, WPA-TKIP/AES Personal, WPA2-Enterprise (802.1x/EAP), WPA-Enterprise (802.1x/EAP), Open
Other Wi-Fi Features	Port forwarding, DHCP Reservation, Roaming, Band steering, ACL (Layer2), Rate Limit, WLAN Scheduling, DNS filtering, Client Isolation Hotspot Captive Portal



QN-I-220

KEY SPECIFICATIONS

◎ PERFORMANCE & CAPACITY

Peak PHY Rates
Client Capacity
SSID

2.4 GHz : 300 Mbps / 5 GHz : 867 Mbps
Up to 100 clients per AP
Up to 16 per AP (8 per Radio)

◎ RF

Antenna Type
Antenna Gain (Max)

4 x internal omni-directional antennas
2.4 GHz: 3dBi / 5 GHz: 3dBi

◎ POWER

Rating

802.3af/at

◎ NETWORKING

WAN Port Support
VLAN Support
Client isolation
Bandwidth limitation

Static, DHCP and PPPoE
VLAN, DVLAN, 802.1Q for management and data
Supported
Supported per SSID

◎ PHYSICAL INTERFACES

Ethernet
USB

3 x 10/100/1000 Base-T with One PoE In (802.3af/at) port
1 x USB 2.0

◎ ENVIRONMENTAL

Operating Temperature
Operating Humidity

-20°C (-4F) ~ +55°C (+131F)
10%~90% non-condensing

◎ MANAGEMENT

System Monitoring
System Management

SNMP v1, v2c, v3, Syslog
QNCC (Quantum Networks Cloud Controller),
Standalone Mode

◎ PHYSICAL

Dimensions
Weight
Mounting

195mm (7.7"), 195mm (7.7"), 35mm (1.4")
547g
Suspended ceiling mount, Wall mount, Ceiling mount,
Pole mount

