



# QN-I-210

## PRODUCT OVERVIEW



Wi-Fi 6  
(IEEE 802.11ax)



Dual-Band  
Dual0-Concurrent



Up to 1.7 Gbps  
Data Rate



1 GbE  
Connectivity



2x2 MU-MIMO  
with OFDMA



3 Years  
Warranty

# QN-I-210

## PRODUCT OVERVIEW

- Today's businesses and organizations cannot afford underperforming wireless infrastructure. Wi-Fi coverage has become mandatory for enterprises, educational institutions, and smart cities.
- QN-I-210 is a Wi-Fi 6 Access Point offering high-performance connectivity for any organization experiencing largely growing numbers of IoT and mobility requirements. With a maximum real-world data rate of up to 1.7 Gbps, it delivers high speed, secure, reliable, and seamless performance needed for any enterprise environment.
- QN-I-210 provides concurrent dual-band, 802.11ax wireless networking solutions. OFDMA technology provides highly efficient fast-speed, awesome coverage and smooth performance in high-density areas like railway stations, hospitals, malls, public places, universities, etc. QN-I-210 is managed by Quantum RUDDER® giving freedom to enterprises from managing controller hardware, licenses, and support.
- Each Access Point comes with three years limited liability manufacturer's warranty from DATE OF ACTIVATION and theft prevention functionality to protect assets from misuse.



Super Scalable  
(Up to 10K APs per account)



Software-Based  
Theft Protection



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# QN-I-210

## KEY FEATURES

- **Packed with the latest 802.11ax technology**  
QN-I-210 is packed with all the advantages of a high-efficiency supported 11ax Access Point. It supports Wi-Fi 6 features such as OFDMA, Target Wake Time, BSS coloring, and Spatial reuse.
- **Easy to manage**  
Easily manage Wi-Fi infrastructure through feature-rich Quantum RUDDER® management console.
- **Phenomenal Wi-Fi performance**  
Engineered for phenomenal Wi-Fi performance even in high-density environments for demanding voice and video applications. Provides improved coverage, increased capacity, and performance in dense environments.
- **Build next generation guest Wi-Fi networks**  
Deploy next-generation customer service hotspots with an integrated splash portal.
- **Theft prevention functionality**  
Access Point is locked for deployment in any other network until decommissioned from the existing network.
- **Three years warranty**  
Three years limited liability manufacturer's warranty from DATE OF ACTIVATION of the device.
- **Beyond Wi-Fi**  
Implement additional Quantum COLLAB® services such as RADIUS authentication, Web filtering and Advanced Wi-Fi Service Management Platform.



App (First) +  
Cloud Managed Solution



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## KEY SPECIFICATIONS

Wi-Fi		
Wi-Fi standards	2.4 GHz	IEEE 802.11b/g/n/ax
	5 GHz	IEEE 802.11a/n/ac/ax
Operating mode		Access Point, Router, Mesh mode
Maximum data rates	802.11ax	@ 80 MHz: 1200 Mbps
	802.11ax	@ 40 MHz: 574 Mbps
	802.11ac	@ 80 MHz: 867 Mbps
	802.11n	@ 40 MHz: 300 Mbps
	802.11a/g	@ 20 MHz: 54 Mbps
	802.11b	@ 20 MHz: 11 Mbps
Supported channels	2.4 GHz	1-13
	5 GHz	36-64, 100-144, 149-165
Modulation schemes	802.11ax	1024-QAM, 256-QAM, 64-QAM, 16-QAM, QPSK, BPSK
	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 in 2.4GHz	OFDMA with MU-MIMO
	2x2:2 in 5GHz	OFDMA with MU-MIMO
Channel size	2.4 GHz	20/40 MHz
	5 GHz	20/40/80 MHz
Wireless security		802.11i
		WPA3-AES personal, Enhanced open
		WPA2-TKIP/AES personal, Open
		WPA3-WPA2 Mixed- AES personal, Open
		WPA Mixed-TKIP/AES personal, Open
		WPA3-Enterprise (802.1x/EAP-TLS, EAP-TTLS) WPA2-Enterprise (802.1x/EAP-PEAP, EAP-TLS, EAP-TTLS) WPA Mixed-Enterprise (802.1x/EAP-PEAP)
External DB support		Radius, Active directory, LDAP
Web authentication		QN-Secure+, Radius, Active directory, LDAP
Roaming		802.11k 802.11v 802.11r
Channel		Auto channel



Perpetual Cloud  
Controller



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## KEY SPECIFICATIONS

<b>Client management</b>		Band steering Band balancing
<b>Guest management</b>	Hotspot (WISPr)	Yes
<b>Local guest portal</b>	Customized template Authentication method Guest profile support	Yes (User define, Theme based) Click-through, Access code, Self sign-up (SMS, Email), Sponsor based (Domain-based, Individual Email ID based) Pass validity, Bandwidth restriction, Quota based
<b>Other Wi-Fi features</b>		WLAN scheduling Force DHCP URL filtering Inactivity timeout Internet freeze OS restrictions 802.11 w Management Frame Protection (MFP)
<b>Routing</b>		
	Ethnet WAN	WAN (DHCP/Static/PPPoE)
	WAN feature	Yes Port forwarding
	DHCP server	4 scope DHCP lease DHCP MAC reservation
	VPN	IPSec
	URL fltrng	Yes
	WAN security	Port Block management
<b>Networking</b>		
<b>VLAN support</b>		VLAN, 802.1Q for Management and Data
<b>Client isolation</b>		Supported
<b>Bandwidth limitation</b>		SSID/User based bandwidth restriction
<b>Traffic Managment</b>		
<b>Auto QoS</b>		Supported
<b>Manual QoS</b>		DSCP based
<b>L2/L3/L4 ACLs</b>		Supported
<b>WMM,802.1P, 802.11e</b>		Supported
<b>LDPC, STBC</b>		Supported



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## KEY SPECIFICATIONS

Performance & Capacity		
Peak PHY rates	2.4 GHz	574 Mbps
	5 GHz	1200 Mbps
Client capacity (per band)		Up to 128 clients per Access Point Band
SSID		Up to 16 per Access Point (8 per Radio)
RF		
Antenna type		4 x Built-in antenna (2 x 2.4 GHz & 5 GHz)
Antenna gain (Max)	2.4 GHz	4.8 dBi
	5 GHz	6 dBi
Output power	2.4 GHz	23 dBm
	5 GHz	20 dBm
	TPC	Auto / Manual / Adjustable
Power		
Rating	802.3at	Fully functional with all components
	12V DC 2A	Fully functional with all components
Physical Interfaces		
Ethernet		WAN: 1 x 10/100/1000 Base-T ethernet, Auto MDIX, RJ-45 with 802.3at PoE LAN: 1 x 10/100/1000 Base-T ethernet, Auto MDIX, RJ-45
Buttons		Restart/Reset
Environmental		
Operating temperature		-20°C (-4F) ~ +55°C (+131F)
Humidity		10% ~ 90% Non-Condensing
Management		
System monitoring		SNMP v1, v2c, v3, Syslog
System management		Quantum RUDDER <sup>®</sup> , Standalone, SSH, Local AP login
Physical		
Dimensions		18.5 cm (L), 18.5 cm (W), 3.3 cm (H)
Mounting		Suspended ceiling mount, Ceiling mount, Wall mount



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