



QN-I-270

PRODUCT OVERVIEW



Wi-Fi 6
(IEEE 802.11ax)



Dual-Band
Dual-Concurrent



Up to 1.7 Gbps
Data Rate



2.5 GbE
Connectivity



Integrated
BLE



3 Years
Warranty

QN-I-270

PRODUCT OVERVIEW

- Today's businesses and organizations cannot afford under-performing wireless infrastructure. Wi-Fi coverage has become mandatory for enterprises, educational institutions, and smart cities.
- QN-I-270 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 1.77 Gbps, It delivers high-speed, secure, reliable, and seamless performance needed for any enterprise environment.
- Each Access Point comes with three years limited liability manufacturer's warranty from the DATE OF ACTIVATION and theft prevention functionality to protect assets from misuse.
- QN-I-270 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-270 is managed by Quantum RUDDER®, giving freedom to enterprises from managing controller hardware, licenses, and support.
- Easily deploy futuristic customer engagement solutions using BLE Beacon powered by USB port. With Quantum COLLAB®, we extend it beyond traditional usage.



Super Scalable
(Up to 10K APs per account)



Software-Based
Theft Protection



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QN-I-270

KEY FEATURES

- **Packed with the latest 802.11ax technology**
QN-I-270 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 integrated splash portal and BLE Beacons.
- **Theft prevention functionality**
Access Point is locked for deployment in any other network until decommissioned from the existing network.
- **Track assets and people**
Track assets and people using BLE Sensors through Quantum COLLAB® platform.
- **Three years warranty**
Three years limited liability manufacturer's warranty from the 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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QN-I-270

KEY SPECIFICATIONS

Wi-Fi		
Wi-Fi standards	2.4 GHz 5 GHz	IEEE 802.11b/g/n/ax IEEE 802.11a/n/ac/ax
Operating mode		Access Point, Router, Mesh mode
Maximum data rates	802.11ax 802.11ax 802.11ac 802.11n 802.11a/g 802.11b	@ 80 MHz: 1200 Mbps @ 40 MHz: 574 Mbps @ 80 MHz: 867 Mbps @ 40 MHz: 300 Mbps @ 20 MHz: 54 Mbps @ 20 MHz: 11 Mbps
Supported channels	2.4 GHz 5 GHz	1-13 36-64, 100-144, 149-165
Modulation schemes	802.11ax 802.11ac 802.11a/g/n 802.11b	1024-QAM, 256-QAM, 64-QAM, 16-QAM, QPSK, BPSK 256-QAM, 64-QAM, 16-QAM, QPSK, BPSK 64-QAM, 16-QAM, QPSK, BPSK CCK, DQPSK, DBPSK
Spatial streams	2x2:2 in 2.4GHz 2x2:2 in 5GHz	In 2.4GHz- OFDMA with MU-MIMO In 5GHz- OFDMA with MU-MIMO
Channel size	2.4 GHz 5 GHz	20/40 MHz 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 Speedy channel Channel switch



Perpetual Cloud
Controller



Ready USB Port



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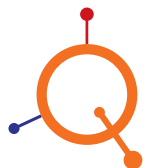
QN-I-270

KEY SPECIFICATIONS

Client Management		Band steering Band balancing
Guest management	Hotspot (WISPr)	Yes
Local guest portal	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
Other Wi-Fi features		WLAN scheduling Force DHCP URL & Application filtering Inactivity timeout Internet freeze OS restrictions 802.11 w Management Frame Protection (MFP)
Routing		
	Ethnet WAN	WAN (DHCP/Static/PPPoE)
	USB WAN	USB dongle/ mobile tethering
	Multi WAN	Yes Auto failover Port forwarding
	DHCP Server	4 Scope DHCP lease DHCP MAC reservation
	VPN	IPSec
	URL & Application Filtrng	Yes
	WAN Security	Port block management
Networking		
VLAN Support		VLAN, 802.1Q for Management and Data
Client Isolation		Supported
Bandwidth Limitation		SSID/User based bandwidth restriction
Traffic Management		
Auto QoS		Supported
Manual QoS		DSCP based
L2/L3/L4 ACLs		Supported
WMM,802.1P, 802.11e		Supported



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KEY SPECIFICATIONS

Performance & Capacity		
Peak PHY rates	2.4 GHz 5 GHz	574 Mbps 1200 Mbps
Client capacity		Up to 128 clients per Access Point
SSID		Up to 16 per Access Point (8 per Radio)
RF		
Antenna type		3 x Built-in antenna (2 x 2.4 GHz & 5 GHz, 1 x Bluetooth Low Energy)
Antenna gain (Max)	2.4 GHz 5 GHz	4.8 dBi 6 dBi
Output power	2.4 GHz 5 GHz	23 dBm 20 dBm
Power		
Rating	802.3at 12V DC 2A	Fully functional with all components Fully functional with all components
Physical Interfaces		
Ethernet		WAN: 1 x 2.5G Base-T Ethernet, Auto MDIX, RJ-45 with 802.3at PoE port LAN: 2 x 10/100/1000 Base-T Ethernet, Auto MDIX, RJ-45
USB		1 x USB 3.0
Buttons		Restart/Reset
Environmental		
Operating temperature		0°C (32°F) to 50°C (122°F)
Humidity		Up to 95%, Non-condensing
Standard		Plenum-rated (UL2043)
Management		
System monitoring		SNMP v1, v2c, v3, Syslog
System management		Quantum RUDDER [®] , Standalone, SSH, Local AP login
Physical		
Dimensions		19.5 cm (L) x 20.1 cm (W) x 3.98 cm (H)
Weight		0.65 kg (1.44 lbs)
Mounting		Suspended ceiling mount, Ceiling mount, Wall mount



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