OUTDOOR ACCESS POINT QN-0-240







Up to 3 Gbps Data Rate



2.5 GbE Connectivity



2.4 GHz - 2x2, 5 GHz - 2x2





PRODUCT OVERVIEW

QN-O-240 built-in with a smart antenna and MU-MIMO technology provides high data-rates even in high-density and high-interference environments.

QN-O-240 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-O-240 is manageable through a centralized platform and supported by Quantum Rudder. QN-O-240 can also be deployed as a standalone Access Point.

Each Access Point comes with a one-year limited liability manufacturer's warranty from the date of activation and theft prevention functionality to protect assets from misuse.

KEY FEATURES

Delivering high-performance outdoor Wi-Fi access.

Deploy secure and reliable outdoor hotspots at Transportation hubs, Stadiums, Smart cities and Rural Wi-Fi setups.

• 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 seamless performance in dense environments.

• Cost-Efficient Connectivity.

Reduces operational costs and the expense of additional hardware required for deployment by service providers/telcos. SFP port provides high-speed fiber backhaul without any additional hardware.

• Theft prevention functionality.

Access Point is locked for deployment in any other network until decommissioned from the existing network.

• Industrial-grade IP67 enclosure.

IP67 rating can withstand challenging environments with extreme temperatures and dusty environments.

• Easy to manage.

Easily manage Wi-Fi infrastructure through the feature-rich Quantum Rudder management console.



S GHz	Wi-Fi			
Mi-Fi Standards		5 GHz	IEEE 802.11a/n/ac/ax	
Operating Mode Access point, Router, Mesh mode Networking Mode IPv4, IPv6, IPv4v6 (Dual stack), Gateway mode (NAT), Bridge mode Ro2.Tlax@ 80 MHz: 2400 Mbps 802.Tlax@ 80 MHz: 2101 Mbps 802.Tlax@ 90 MHz: 286.8 Mbps 802.Tlax@ 40 MHz: 600 Mbps 802.Tlac@ 80 MHz: 286.8 Mbps 802.Tlac@ 80 MHz: 500 Mbps 802.Tlac@ 20 MHz: 240.5 Mbps 802.Tlac@ 20 MHz: 260.6 Mbps 802.Tlac@ 20 MHz: 286.8 Mbps 802.Tlac@ 20 MHz: 500 Mbps 802.Tlac@ 20 MHz: 500 Mbps 802.Tlac@ 20 MHz: 540 Mbps 802.Tlac@ 20 MHz: 540 Mbps 802.Tlac@ 40 MHz: 540 Mbps 802.Tl	Wi-Fi Standards			
Networking Mode IPv4, IPv6, IPv4v6 (Dual stack), Gateway mode (NAT), Bridge mode Bo2.llaxe Bo MHz:2400 Mbps 802.llaxe Bo MHz:2400 Mbps Bo2.llaxe Bo MHz:201 Mbps 802.llaxe Bo MHz:201 Mbps Bo2.llaxe Bo MHz:200 Mbps 802.llaxe Bo MHz:286.8 Mbps Bo2.llaxe Bo MHz:286.8 Mbps 802.llaxe Bo MHz:240.5 Mbps Bo2.llaxe Bo MHz:200 Mbps 802.llaxe Bo MHz:240.5 Mbps Bo2.llaxe Bo MHz:286.8 Mbps 802.llaxe Bo MHz:286.8 Mbps Bo2.llaxe Bo MHz:286.8 Mbps 802.llaxe Bo Lill Miz:54 Mbps Bo2.llaxe Bo MHz:286.8 Mbps 802.llaxe Bo2.llax Bozer. 802.llaxe Hbps Box Bozer. 5 GHz 98 dBm 502.llaxe Bozer. Supported Channels 5 GHz 36-64, 100-144, 149-165 (UNII-1, UNII-2, UNII-2, UNII-2, UNII-3) 502.llaxe Bozer. Supported Channels 5 GHz 36-64, 100-144, 149-165 (UNII-1, 5.25-5.35 GHz (UNII-1)	Operating Mode	. 3		
B02.11ax@ 160 MHz:2400 Mbps				
S GHz S GH	3	, ,		
Maximum Data Rates 5 GHz 802.11ac@ 20 MHz: 286.8 Mbps Maximum Data Rates 802.11ac@ 40 MHz: 5000 Mbps 802.11ac@ 20 MHz: 240.5 Mbps 802.11ac@ 20 MHz: 240.5 Mbps 802.11ac@ 20 MHz: 240.5 Mbps 802.11ac@ 20 MHz: 240.5 Mbps 802.11ac@ 20 MHz: 250.8 Mbps 802.11ac@ 20 MHz: 500 Mbps 802.11ac@ 20 MHz: 500 Mbps 802.11ac@ 20 MHz: 1 Mbps Maximum Receiver 5 GHz -93 dBm Sensitivity 2 4 GHz -93 dBm Supported Channels 5 GHz 36-64, 100-144, 149-165 (UNII-1, UNII-2, UNII-2, UNII-3 compliant) (As per country regulations) Supported Channels 5 GHz 1-13 (As per country regulations) Channel Bands 5 GHz 5.15-5.25 GHz (U-NII-1), 5.25-5.35 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-2C), 5.725-5.85 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-2C), 5.725-5.86 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-3), 6.25 GHz (U-NII-2C), 5.725-5.86 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-2C), 5.725-5.86 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-3C), 5.725-5.86 GHz (U-NII-3C), 5.725-5.86 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-3C), 5.725-5.86 GHz (U-NII-2A), 5.47-5.725 GHz (
Maximum Data Rates 5 GHz 802.11ae@ 20 MHz: 286.8 Mbps Maximum Data Rates 802.11ae@ 40 MHz: 500 Mbps 802.11ae@ 40 MHz: 240.5 Mbps 802.11ae@ 40 MHz: 240.5 Mbps 802.11ae@ 20 MHz: 240.6 Mbps 802.11ae@ 20 MHz: 240.6 Mbps 802.11ae@ 20 MHz: 266.8 Mbps 802.11ae@ 20 MHz: 500 Mbps 802.11ae@ 20 MHz: 54 Mbps 802.11b@ 20 MHz: 14 Mbps 802.11b@ 20 MHz: 11 Mbps 802.11b@ 20 MHz: 11 Mbps Sensitivity 2.4 GHz -93 dBm Supported Channels 5 GHz 36-64, 100-144, 149-165 (UNII-1, UNII-2, UNII-2, UNII-3 compliant) (As per country regulations) Supported Channels 2.4 GHz 1-13 (As per country regulations) Pymamic frequency selection (DFS) optimizes the use of available RF spectrum 5 GHz Supported Channels 5 GHz 5.15-5.25 GHz (U-NII-1), 5.25-5.35 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-2C), 5.725-5.86 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-2C), 5.725-5.86 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-2A), 5				
Maximum Data Rates 802.11ac@ 80 MHz: 1083.3 Mbps Maximum Data Rates 802.11ac@ 20 MHz: 240.5 Mbps 802.11ac@ 20 MHz: 240.5 Mbps 802.11ac@ 20 MHz: 240.5 Mbps 802.11ac@ 20 MHz: 266.8 Mbps 802.11ac@ 20 MHz: 250.8 Mbps 802.11a/g@ 20 MHz: 54 Mbps 802.11b@ 20 MHz: 54 Mbps 802.11b@ 20 MHz: 11 Mbps 802.11b@ 20 MHz: 11 Mbps Maximum Receiver 5 GHz -98 dBm Sensitivity 2.4 GHz -93 dBm Supported Channels 5 GHz 36-64, 100-144, 149-165 (UNII-1, UNII-2, UNII-2e, UNII-3 compliant) (As per country regulations) Supported Channels 2.4 GHz 1-13 (As per country regulations) Channel Bands 5 GHz 5.15-5.25 GHz (U-NII-1), 5.25-5.35 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-2C), 5.725-5.85 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-2C), 5.725-5.85 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-1), 5.25-5.85 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-2C), 5.725-5.85 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-2C), 5.725-5.85 GHz (U-NII-2C), 5.725-5.		5 GHz		
Maximum Data Rates 802.11ac@ 20 MHz: 240.5 Mbps 802.11ac@ 20 MHz: 600 Mbps 802.11ac@ 20 MHz: 600 Mbps 802.11ac@ 20 MHz: 500 Mbps 802.11bc@ 20 MHz: 54 Mbps 802.11b@ 20 MHz: 54 Mbps 802.11bb@ 20 MHz: 14 Mbps Maximum Receiver 5 GHz -98 dBm Sensitivity 2.4 GHz -93 dBm Supported Channels 5 GHz 36-64, 100-144, 149-165 (UNII-1, UNII-2, UNII-2e, UNII-3 compliant) (As per country regulations) Supported Channels 5 GHz 1-13 (As per country regulations) Dynamic frequency selection (DFS) optimizes the use of available RF spectrum 5.15-5.25 GHz (U-NII-1), 5.25-5.35 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-2C), 5.725-5.85 GHz (U-NII-3C), 5.725-5.85 GHz (U-NII-				
			802.11ac@ 40 MHz: 500 Mbps	
Robust R	Maximum Data Rates		802.11ac@ 20 MHz: 240.5 Mbps	
2.4 GHz			802.11ax@ 40 MHz: 600 Mbps	
S02.1la/g@ 20 MHz: 54 Mbps			802.11ax@ 20 MHz: 286.8 Mbps	
Maximum Receiver Sensitivity 5 GHz -98 dBm Sensitivity 2.4 GHz -93 dBm Supported Channels 5 GHz 36-64, 100-144, 149-165 (UNII-1, UNII-2, UNII-2e, UNII-3 compliant) (As per country regulations) Channel Bands 2.4 GHz 1-13 (As per country regulations) Dynamic frequency selection (DFS) optimizes the use of available RF spectrum 5 GHz 5 GHz Channel Bands 5 GHz 5 GHz 5 GHz 6 GHz 6 CHz (U-NII-1), 5.25-5.35 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-2C), 5.725-5.85 GHz (U-NII-3) (As per country regulations) 2 4 GHz 2.4-2.484GHz (ISM) (As per country regulations) 2 4 GHz 2.4-2.484GHz (ISM) (As per country regulations) 8 802.1lax BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM 802.1lac BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM 802.1la/g/n BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM 802.1lb BPSK, QPSK, CCK Radio Chains and Spatial 2x2:2 Streams in 5GHz-OFDMA with MU-MIMO Streams 802.1la 20/40 (HT) MHz Channel Size 802.1la 20/40/80 (VHT) MHz		2.4 GHz		
Maximum Receiver Sensitivity 5 GHz -98 dBm Sensitivity 2.4 GHz -93 dBm Supported Channels 5 GHz 36-64, 100-144, 149-165 (UNII-1, UNII-2, UNII-2e, UNII-3 compliant) (As per country regulations) Channel Bands 2.4 GHz 1-13 (As per country regulations) Dynamic frequency selection (DFS) optimizes the use of available RF spectrum 5 GHz 5 GHz Channel Bands 5 GHz 5 GHz 5 GHz 6 GHz 6 CHz (U-NII-1), 5.25-5.35 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-2C), 5.725-5.85 GHz (U-NII-3) (As per country regulations) 2 4 GHz 2.4-2.484GHz (ISM) (As per country regulations) 2 4 GHz 2.4-2.484GHz (ISM) (As per country regulations) 8 802.1lax BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM 802.1lac BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM 802.1la/g/n BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM 802.1lb BPSK, QPSK, CCK Radio Chains and Spatial 2x2:2 Streams in 5GHz-OFDMA with MU-MIMO Streams 802.1la 20/40 (HT) MHz Channel Size 802.1la 20/40/80 (VHT) MHz			802.11a/q@ 20 MHz: 54 Mbps	
Maximum Receiver Sensitivity 5 GHz -98 dBm Supported Channels 5 GHz -93 dBm Supported Channels 5 GHz 36-64, 100-144, 149-165 (UNII-1, UNII-2, UNII-3compliant) (As per country regulations) Supported Channels 2.4 GHz 1-13 (As per country regulations) Dynamic frequency selection (DFS) optimizes the use of available RF spectrum 5 GHz Channel Bands 5 GHz 5.15-5.25 GHz (U-NII-1), 5.25-5.35 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-2C), 5.725-5.85 GHz (U-NII-3) (As per country regulations) 2.4 GHz 2.4-2.484GHz (ISM) (As per country regulations) 2.4 GHz 802.1lax 8PSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM 802.1lac 8PSK, QPSK, 16-QAM, 64-QAM, 256-QAM 802.1la 802.1la 8PSK, QPSK, 16-QAM, 64-QAM, 256-QAM 802.1lb 8PSK, QPSK, 16-QAM, 64-QAM, 256-QAM 802.1lb 8PSK, QPSK, 16-QAM, 64-QAM 802.1lb 8PSK, QPSK, 16-QAM, 64-QAM 802.1lb 8PSK, QPSK, CCK Radio Chains and Spatial Streams 802.1la 20/40/80 (VHT) MHz 802.1la 20/40/80 (VHT) MHz 802.1la 20/40/80 (VHT) MHz 802.1lac 20/40/80				
Sensitivity 2.4 GHz -93 dBm Supported Channels 5 GHz 36-64, 100-144, 149-165 (UNII-1, UNII-2, UNII-3 compliant) (As per country regulations) Supported Channels 2.4 GHz 1-13 (As per country regulations) Dynamic frequency selection (DFS) optimizes the use of available RF spectrum 5.15-5.25 GHz (U-NII-1), 5.25-5.35 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-2C), 5.725-5.85 GHz (U-NII-3A), 5.47-5.725 GHz (U-NII-3C), 5.725-5.85 GHz (U-NII-3C), 5.47-5.725 GHz (U-NII-3C), 5.47-5.725 GHz (U-NII-3C), 5.725-5.85 GHz (U-NII-3C), 5.47-5.725 GHz (U-NII-3C), 5.47-5.	Maximum Receiver	5 GHz	·	
Supported Channels compliant) (As per country regulations) Supported Channels 2.4 GHz 1-13 (As per country regulations) Dynamic frequency selection (DFS) optimizes the use of available RF spectrum 5.15-5.25 GHz (U-NII-1), 5.25-5.35 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-2C), 5.725-5.85 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-2C), 5.725-5.85 GHz (U-NII-3C) (As per country regulations) A GHz 2.4 GHz 2.4-2.484GHz (ISM) (As per country regulations) A GHz 2.4-2.484GHz (ISM) (As per country regulations) B SO2.11ax BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM B SO2.11ac BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM B SO2.11ab BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM B SO2.11b BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM B SO2.11b BPSK, QPSK, 16-QAM, 64-QAM B SO2.11a SO2.11a B PSK, QPSK, 16-QAM, 64-QAM SO2.11a B		2.4 GHz	-93 dBm	
Dynamic frequency selection (DFS) optimizes the use of available RF spectrum		5 GHz		
Channel Bands the use of available RF spectrum Channel Bands 5.15-5.25 GHz (U-NII-1), 5.25-5.35 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-2C), 5.725-5.85 GHz (U-NII-3) (As per country regulations) 2.4 GHz 2.4-2.484GHz (ISM) (As per country regulations) 802.11ax BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM 802.11ac BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM 802.11a/g/n BPSK, QPSK, 16-QAM, 64-QAM 802.11b BPSK, QPSK, 16-QAM, 64-QAM 802.11b BPSK, QPSK, 16-QAM, 64-QAM 802.11b BPSK, QPSK, CCK Streams in 5GHz-OFDMA with MU-MIMO 2x2:2 Streams in 2.4GHz- OFDMA with MU-MIMO Streams in 2.4GHz- OFDMA with MU-MIMO 802.11a 20/40/80 (VHT) MHz 802.11ax 20/40/80 (VHT) MHz 802.11ax 20/40/80/160 (HE) MHz WPA3-AES personal, Enhanced open (OWE) WPA3-Enterprise (802.1x/EAP-TLS, EAP-TTLS) WPA3-WPA2 Mixed- AES personal, Open WPA2-TKIP/AES personal, Open WPA2-Enterprise (802.1x/EAP-PEAP, EAP-TLS, EAP-TTLS)	Supported Channels	2.4 GHz	1-13 (As per country regulations)	
Channel Bands 5.15-5.25 GHz (U-NII-1), 5.25-5.35 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-2C), 5.725-5.85 GHz (U-NII-3) (As per country regulations) 2.4 GHz 2.4-2.484GHz (ISM) (As per country regulations) 802.11ax BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM 802.11ac BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM 802.11a/g/n BPSK, QPSK, 16-QAM, 64-QAM 802.11b BPSK, QPSK, 16-QAM (A-QAM) 802.11b BPSK, QPSK, 16-QAM (A-QAM) 802.11b BPSK, QPSK, CCK 802.11b BPSK, QPSK, CCK 802.11b Streams in 5GHz-OFDMA with MU-MIMO 802.12 Streams in 2.4GHz- OFDMA with MU-MIMO 802.11a 20/40 (HT) MHz 802.11ac 20/40/80 (VHT) MHz 802.11ax 20/40/80/160 (HE) MHz WPA3-AES personal, Enhanced open (OWE) WPA3-Enterprise (802.1x/EAP-TLS, EAP-TTLS) WPA3-WPA2 Mixed- AES personal, Open WPA2-TKIP/AES personal, Open WPA2-Enterprise (802.1x/EAP-PEAP, EAP-TLS, EAP-TTLS)				
Channel Bands 5 GHz GHz (U-NII-2C), 5.725-5.85 GHz (U-NII-3) (As per country regulations) 2.4 GHz 2.4-2.484GHz (ISM) (As per country regulations) Modulation Schemes 802.11ax BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM 802.11ac BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM 802.11a/g/n BPSK, QPSK, 16-QAM, 64-QAM 802.11b BPSK, QPSK, CCK Radio Chains and Spatial Streams 2x2:2 Streams in 5GHz-OFDMA with MU-MIMO 2x2:2 Streams in 2.4GHz-OFDMA with MU-MIMO 2x2:2 Streams in 2.4GHz-OFDMA with MU-MIMO Channel Size 802.11n 20/40 (HT) MHz 802.11ac 20/40/80 (VHT) MHz 802.11ax 20/40/80/160 (HE) MHz WPA3-AES personal, Enhanced open (OWE) WPA3-Enterprise (802.1x/EAP-TLS, EAP-TTLS) WPA3-WPA2 Mixed- AES personal, Open WPA2-TKIP/AES personal, Open WPA2-Enterprise (802.1x/EAP-PEAP, EAP-TLS, EAP-TTLS)			·	
2.4 GHz 2.4-2.484GHz (ISM) (As per country regulations)	Channel Bands	5 GHz	GHz (U-NII-2C), 5.725-5.85 GHz (U-NII-3)	
Modulation Schemes 802.11ac BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM 802.11a/g/n BPSK, QPSK, 16-QAM, 64-QAM 802.11b BPSK, QPSK, CCK Radio Chains and Spatial Streams 2x2:2 Streams in 5GHz-OFDMA with MU-MIMO Streams 2x2:2 Streams in 2.4GHz- OFDMA with MU-MIMO Channel Size 802.11n 20/40 (HT) MHz 802.11ac 20/40/80 (VHT) MHz 802.11ax 20/40/80/160 (HE) MHz WPA3-AES personal, Enhanced open (OWE) WPA3-Enterprise (802.1x/EAP-TLS, EAP-TTLS) WPA3-WPA2 Mixed- AES personal, Open WPA2-TKIP/AES personal, Open WPA2-Enterprise (802.1x/EAP-PEAP, EAP-TLS, EAP-TTLS)		2.4 GHz	, , , , , , , , , , , , , , , , , , , ,	
Modulation Schemes 802.11ac BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM 802.11a/g/n BPSK, QPSK, 16-QAM, 64-QAM 802.11b BPSK, QPSK, CCK Radio Chains and Spatial Streams 2x2:2 Streams in 5GHz-OFDMA with MU-MIMO Streams 2x2:2 Streams in 2.4GHz- OFDMA with MU-MIMO Channel Size 802.11n 20/40 (HT) MHz 802.11ac 20/40/80 (VHT) MHz 802.11ax 20/40/80/160 (HE) MHz WPA3-AES personal, Enhanced open (OWE) WPA3-Enterprise (802.1x/EAP-TLS, EAP-TTLS) WPA3-WPA2 Mixed- AES personal, Open WPA2-TKIP/AES personal, Open WPA2-Enterprise (802.1x/EAP-PEAP, EAP-TLS, EAP-TTLS)		802.11ax	BPSK, QPSK, 16-QAM, 64-QAM, 256- QAM, 1024-QAM	
802.11a/g/n BPSK, QPSK, 16-QAM, 64-QAM 802.11b BPSK, QPSK, CCK Radio Chains and Spatial Streams 2x2:2 Streams in 5GHz-OFDMA with MU-MIMO 2x2:2 Streams in 2.4GHz- OFDMA with MU-MIMO 802.11n 20/40 (HT) MHz 802.11ac 20/40/80 (VHT) MHz 802.11ax 20/40/80/160 (HE) MHz WPA3-AES personal, Enhanced open (OWE) WPA3-Enterprise (802.1x/EAP-TLS, EAP-TTLS) WPA3-WPA2 Mixed- AES personal, Open WPA2-TKIP/AES personal, Open WPA2-Enterprise (802.1x/EAP-PEAP, EAP-TLS, EAP-TTLS)				
Radio Chains and Spatial 2x2:2 Streams in 5GHz-OFDMA with MU-MIMO	Modulation Schemes	802.11a/q/n	BPSK, QPSK, 16-QAM, 64-QAM	
Streams 2x2:2 Streams in 2.4GHz- OFDMA with MU-MIMO 802.11n 20/40 (HT) MHz 802.11ac 20/40/80 (VHT) MHz 802.11ax 20/40/80/160 (HE) MHz WPA3-AES personal, Enhanced open (OWE) WPA3-Enterprise (802.1x/EAP-TLS, EAP-TTLS) WPA3-WPA2 Mixed- AES personal, Open WPA2-Enterprise (802.1x/EAP-PEAP, EAP-TLS, EAP-TTLS)			BPSK, QPSK, CCK	
Streams 2x2:2 Streams in 2.4GHz- OFDMA with MU-MIMO Channel Size 802.11n 20/40 (HT) MHz 802.11ac 20/40/80 (VHT) MHz 802.11ax 20/40/80/160 (HE) MHz WPA3-AES personal, Enhanced open (OWE) WPA3-Enterprise (802.1x/EAP-TLS, EAP-TTLS) WPA3-WPA2 Mixed- AES personal, Open WPA2-TKIP/AES personal, Open WPA2-Enterprise (802.1x/EAP-PEAP, EAP-TLS, EAP-TTLS)	Radio Chains and Spatial	2x2:2	Streams in 5GHz-OFDMA with MU-MIMO	
Channel Size 802.11ac 20/40/80 (VHT) MHz 802.11ax 20/40/80/160 (HE) MHz WPA3-AES personal, Enhanced open (OWE) WPA3-Enterprise (802.1x/EAP-TLS, EAP-TTLS) WPA3-WPA2 Mixed- AES personal, Open WPA2-TKIP/AES personal, Open WPA2-Enterprise (802.1x/EAP-PEAP, EAP-TLS, EAP-TTLS)	•	2x2:2	Streams in 2.4GHz- OFDMA with MU-MIMO	
802.11ax 20/40/80/160 (HE) MHz WPA3-AES personal, Enhanced open (OWE) WPA3-Enterprise (802.1x/EAP-TLS, EAP-TTLS) WPA3-WPA2 Mixed- AES personal, Open WPA2-TKIP/AES personal, Open WPA2-Enterprise (802.1x/EAP-PEAP, EAP-TLS, EAP-TTLS)	Channel Size	802.11n	20/40 (HT) MHz	
WPA3-AES personal, Enhanced open (OWE) WPA3-Enterprise (802.1x/EAP-TLS, EAP-TTLS) WPA3-WPA2 Mixed- AES personal, Open WPA2-TKIP/AES personal, Open WPA2-Enterprise (802.1x/EAP-PEAP, EAP-TLS, EAP-TTLS)		802.11ac	20/40/80 (VHT) MHz	
WPA3-Enterprise (802.1x/EAP-TLS, EAP-TTLS) WPA3-WPA2 Mixed- AES personal, Open WPA2-TKIP/AES personal, Open WPA2-Enterprise (802.1x/EAP-PEAP, EAP-TLS, EAP-TTLS)		802.11ax	20/40/80/160 (HE) MHz	
WPA3-WPA2 Mixed- AES personal, Open WPA2-TKIP/AES personal, Open WPA2-Enterprise (802.1x/EAP-PEAP, EAP-TLS, EAP-TTLS)				
WPA3-WPA2 Mixed- AES personal, Open WPA2-TKIP/AES personal, Open WPA2-Enterprise (802.1x/EAP-PEAP, EAP-TLS, EAP-TTLS)				
WPA2-TKIP/AES personal, Open WPA2-Enterprise (802.1x/EAP-PEAP, EAP-TLS, EAP-TTLS)				
WPA2-Enterprise (802.1x/EAP-PEAP, EAP-TLS, EAP-TTLS)	Wireless Security			



	WEP-64, WEP-128,		
	MAC-based authentication		
	Captive portal-based authentication		
	802.11i		
Wireless Security	Quantum SECURE		
	Hide SSID in beacons		
	Rogue Station Detection	n	
	Deauth attack detection, RTS and CTS abuse attack detection		
	Assoc attack detection, Fata jack tool detection,		
WIPS/WIDS for Various	DHCP snooping server of	detection, Honeypot / Evil Twin attacks detection	
Attack Signatures	Misconfigured AP detec	tion	
	SSH Brute force attacks	detection, Man in the middle attack's detection	
	Port scanning detection detection	, Ad-Hoc connection detection, Password guessing attacks	
External DB Support	Radius, Active directory	, LDAP	
Web Authentication	QN-Secure+, RADIUS, Active directory, LDAP		
	Methods	Captive portal, QN-Secure+, 802.1x (Radius)	
User Authentication	Directory	QIM, Microsoft active directory, LDAP, G suite, Oauth	
	Mode	Via Controller / Access points	
	IEEE 802.11k (Assisted R	Poaming)	
	IEEE 802.11v (BSS Transition Management)		
Deaming	IEEE 802.11r (Fast BSS Transition (FT))		
Roaming	Pairwise Master Key (PMK) caching		
	Opportunistic key caching		
	Seamless roaming for captive portal users		
	Auto / Manual channel s	election	
Channel / Tx Power	Speedy channel for performance optimization		
Management	Channel switch for performance optimization		
	ATP-Automatic Transmit Power management		
	Band steering		
Client Management	Band balancing		
	Airtime fairness		
Guest Management	WISPr – Captive portal, HotSpot 2.0		
	Customized Template	Yes (User define, Theme-based)	
Native Guest Portal	Authentication	Click-through, Access code, Self-sign-up (SMS, Email),	
Caosti oitai	Method	Sponsor based (Domain-based, Individual Email ID based)	
	Guest Profile Support	Pass validity, Bandwidth restriction, Quota based	



Diagnostics	Ping, Traceroute, Nslookup, Internet speed, Host discovery, Port connectivity, PCAP capture (Wired and Wireless), ARP scanner	
	Force DHCP	
	URL & Application filtering	
	Full Client Isolation, Deny inter-user bridging, Deny intra-VLAN traffic	
	Bandwidth Restriction per SSID/User	
Access Control List	OS restriction	
	L2 (MAC) filtering	
	L3 (IP) / L4 (Port) filtering	
	MAX clients per radio	
	Internet freeze per SSID/user	
	Wireless (singlehop / multihop)	
Meshing	Wired	
	DTIM interval	
	OFDM Only (Disables 802.11b)	
Radio Management	BSS Rate and management rate	
	UAPSD (Power save)	
	Inactivity timeout	
Nistronal Managara	IEEE 802.11d/h (DFS) support	
Network Management	LLDP discovery, SFlow	
	Proxy ARP	
	DHCP options 60 and 82	
	Port forwarding in router mode	
Administration	WLAN scheduling	
	Internet speed test	
	Schedule reboot	
	Target wake time	
	BSS colouring	
Wi-Fi 6 Features	Spatial reuse	
	Orthogonal frequency division multiple access (OFDMA)	
	Preamble puncturing	
Advance Features	Advanced Cellular Coexistence (ACC) minimizes interference from cellular networks	
	Cyclic delay/shift diversity (CDD/CSD) to enable the use of multiple transmit antennas	
	Short guard interval for 20-MHz, 40-MHz, 80-MHz and 160-MHz	
Advance Features	Space-time block coding (STBC) for increased range and improved reception	
	Low-density parity check (LDPC) for high-efficiency error correction and increased throughput	
	Transmit beam-forming (TxBF) for increased signal reliability and range	



Networking	
Ethernet WAN	WAN (DHCP/Static/PPPoE)
Protocols	Static, RIP v2, OSPF v2
Tunneling	GRE, IPSec, Wire guard, OVPN
Multi- WAN	Yes, Auto-Failover
DHCP Server	4 Scope, DHCP lease, DHCP MAC reservation, DNS proxy
WAN Security	Ethernet port block management
PPP Interface	PPPoE, L2TP, L2TP with IPSec
DNS	Static, Caching, Dynamic DNS
NAT	Masquerade (SNAT), Port forwarding (DNAT)
VLAN Support	802.1Q (1 per BSSID or dynamic per user-based on RADIUS), Port-based (Tagged, untagged)
Quality of Service	
Auto-OoS 802 11o	

Auto-QoS, 802.11e,

Manual QoS (DSCP based, Voice, Video, BE and BK)

WMM

802.1p

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Peak PHY Rates	5 GHz	2400 Mbps (802.11ax)
reak rn r Rales	2.4 GHz	600 Mbps (802.11ax)
Client Capacity	Up to 512 clients per Access point	
SSID	Up to 16 per access point (8 per Radio)	

RF		QN-0-240	QN-0-240-N			
			QN-ANT-5-5DB / QN-ANT-2-5DB	QN-ANT-5-8DB / QN-ANT-2-8DB	QN-ANT-5-12DB/ QN-ANT-2-12DB	QN-ANT-5-15DB/ QN-ANT-2-15DB
Maximum Aggregate	5 GHz	26 dBm	26 dBm	24 dBm	24 dBm	24 dBm
Transmit Power (As per country regulations)	2.4 GHz	27 dBm	27 dBm	25 dBm	25 dBm	25 dBm
Antenna Gain (Max)	5 GHz	6 dBi	5 dBi	8 dBi	12 dBi	15 dBi
	2.4 GHz	6 dBi	5 dBi	8 dBi	12 dBi	15 dBi
EIRP (As per country	5 GHz	32 dBm	31 dBm	32 dBm	36 dBm	39 dBm
regulations)	2.4 GHz	33 dBm	32 dBm	33 dBm	37 dBm	40dBm
Antenna Type		Built-in integrated antenna for both radios	External antennas connectors			



Rating 802.3 af PoE / at PoE+ (Class 4) (Fully functional with all components) Physical Interfaces WAN/LAN: 1x 10/100/1000/2.5G N Base-T Ethernet, Auto-MDIX, RJ-45 with 802.3at PoE 802.3bz specifications, 802.3az Energy Efficient Ethernet (EEE) Fiber WAN/LAN: 1x 1G Base-X (SX / LX) SFP port Buttons Restart/Reset LED Indicators Power, 2.4 GHz, 5 GHz, Uplink Management Device Management Standalone, Local (web UI), SSH (CLI) Quantum Rudder (Controller based) Quantum Rudder (On-premises VM) Quantum Rudder appliances (RR-200, RR-300, RR400) Through NMS using SNMP MIBs Local device web management Local device web management Device /System SNMP vI, v2c, v3, Syslog Monitoring SNMP vI, v2c, v3, Syslog Controller DR Supported Obevice Security Supported Certificate Locally-significant certificates using PKI Controller Encrypted Controller Botal Research Communication Encrypted PM WAIN, SNA FORG Monitor, Open NMS Environmental Operating temperature -40°C	Power	
Ethernet WANY_LAN: 1 x 10/100/1000/2.5G N Base-T Ethernet, Auto-MDIX, RJ-45 with 802.3at PoE 802.3bz specifications, 802.3az Energy Efficient Ethernet (EEE) Fiber WANY_LAN: 1 x 1 G Base-X (SX / LX) SFP port Buttons Restart/Reset LED Indicators Power, 2.4 GHz, 5 GHz, Uplink Management Standalone, Local (web UI), SSH (CLI) Quantum Rudder (Controller based) Quantum Rudder (Con-premises VM) Quantum Rudder oppliances (RR-200, RR-300, RR400) Through NMS using SNMP MIBs Local device web management Local device web management Device / System Monitoring SNMP v1, v2c, v3, Syslog Controller DR (Disaster Recovery) Supported Device Security Supported Certificate Locally-significant certificates using PKI Controller Communication Encrypted Port Access 802.1x RADIUS supplicant Application Integration Encrypted PM WANI, NMS Integration - ZABBIX, PRTG Monitor, Open NMS Environmental Operating temperature -40°C (-40F) ~ +70°C (+158F) Humidity 5% ~ 100% non-condensing Wind Resistance 160 kmph for sustained wind, 250 kmph for	Rating	802.3 af PoE / at PoE+ (Class 4) (Fully functional with all components)
Ethernet 802.3at PoE 802.3bz specifications, 802.3az Energy Efficient Ethernet (EEE) Fiber WAN/LAN: 1x1G Base-X (SX / LX) SFP port Buttons Restart/Reset LED Indicators Power, 2.4 GHz, 5 GHz, Uplink Management Management Device Management Device Management Device / System Monitoring SMMP vl, v2c, v3, Syslog Device / System Monitoring Monitoring SNMP vl, v2c, v3, Syslog Device Security	Physical Interfaces	
Fiber WAN/LAN: 1x 1G Base-X (SX / LX) SFP port	Ethernet	
Buttons Restart/Reset LED Indicators Power, 2.4 GHz, 5 GHz, Uplink Management Standalone, Local (web UI), SSH (CLI) Quantum Rudder (Controller based) Quantum Rudder (On-premises VM) Quantum Rudder appliances (RR-200, RR-300, RR400) Through NMS using SNMP MIBs Local device web management Device /System Monitoring SNMP v1, v2c, v3, Syslog Controller DR (Disaster Recovery) Device Security Certificate Locally-significant certificates using PKI Controller Communication Encrypted Sonzi RADIUS supplicant Application Integration PM WANI, NMS Integration - ZABBIX, PRTG Monitor, Open NMS Environmental Operating temperature - 40°C (-40F) ~ +70°C (+158F) Humidity Smph for sustained wind, 250 kmph for wind gusts Standard IP67 Physical Dimensions 23.9cm(L), 19.5cm(W), 8.3cm(H) Weight 1575 g (3.47 lbs) Mounting kit Pole mount Cloud-managed firmware update Scheduled firmware and security update		802.3bz specifications, 802.3az Energy Efficient Ethernet (EEE)
Device Management	Fiber	WAN/LAN: 1 x 1 G Base-X (SX / LX) SFP port
Management Standalone, Local (web UI), SSH (CLI) Quantum Rudder (Controller based) Quantum Rudder (On-premises VM) Quantum Rudder of On-premises VM) Quantum Rudder appliances (RR-200, RR-300, RR400) Through NMS using SNMP MIBs Local device web management Device /System SNMP vI, v2c, v3, Syslog Controller DR Supported (Disaster Recovery) Supported Device Security Certificate Locally-significant certificates using PKI Controller Controller Encrypted Communication Encrypted Port Access 802.1x RADIUS supplicant Application Integration PM WANI, NMS Integration - ZABBIX, PRTG Monitor, Open NMS Environmental Operating temperature -40°C (-40F) ~ +70°C (+158F) Humidity 5% ~ 100% non-condensing Wind Resistance 160 kmph for sustained wind, 250 kmph for wind gusts Standard 1P67 Phy	Buttons	Restart/Reset
Device Management Device Management Device Management Device / System Monitoring Controller One (Disaster Recovery) Device Security Certificate Local (web UI), SSH (CLI) Quantum Rudder (On-premises VM) Quantum Rudder appliances (RR-200, RR-300, RR400) Through NMS using SNMP MIBS Local device web management SNMP vI, v2c, v3, Syslog Controller DR (Disaster Recovery) Device Security Certificate Locally-significant certificates using PKI Controller Communication Port Access 802.1x RADIUS supplicant Application Integration PM WANI, NMS Integration - ZABBIX, PRTG Monitor, Open NMS Environmental Operating temperature Operating temperature -40°C (-40F) ~ +70°C (+158F) Humidity S% ~ 100% non-condensing Wind Resistance Standard IP67 Physical Dimensions 23.9cm(L), 19.5cm(W), 8.3cm(H) Weight Firmware Management Cloud-managed firmware update Scheduled firmware and security update	LED Indicators	Power, 2.4 GHz, 5 GHz, Uplink
Device Management Pevice Management Auguantum Rudder (On-premises VM) Quantum Rudder appliances (RR-200, RR-300, RR400) Through NMS using SNMP MIBS Local device web management SNMP v1, v2c, v3, Syslog Controller DR (Disaster Recovery) Pevice Security Certificate Locally-significant certificates using PKI Controller Communication Port Access 802.ix RADIUS supplicant Application Integration PM WANI, NMS Integration - ZABBIX, PRTG Monitor, Open NMS Environmental Operating temperature -40°C (-40F) ~ +70°C (+158F) Humidity S% ~ 100% non-condensing Wind Resistance 160 kmph for sustained wind, 250 kmph for wind gusts Standard Physical Dimensions 23.9cm(L), 19.5cm(W), 8.3cm(H) Weight Firmware Management Cloud-managed firmware update Scheduled firmware and security update	Management	
Through NMS using SNMP MIBs Local device web management Device / System Monitoring SNMP v1, v2c, v3, Syslog Controller DR (Disaster Recovery) Device Security Certificate Locally-significant certificates using PKI Controller Communication Encrypted Port Access 802.1x RADIUS supplicant Application Integration PM WANI, NMS Integration - ZABBIX, PRTG Monitor, Open NMS Environmental Operating temperature -40°C (-40F) ~ +70°C (+158F) Humidity S% ~ 100% non-condensing Wind Resistance 160 kmph for sustained wind, 250 kmph for wind gusts Standard 1PG Physical Dimensions 23.9cm(L), 19.5cm(W), 8.3cm(H) Weight 1575 g (3.47 lbs) Mounting kit Pole mount Firmware Management Cloud-managed firmware update Scheduled firmware and security update	Device Management	Quantum Rudder (Controller based) Quantum Rudder (On-premises VM)
Local device web management Device / System Monitoring Controller DR (Disaster Recovery) Device Security Certificate Locally-significant certificates using PKI Controller Communication Port Access 802.1x RADIUS supplicant Application Integration PM WANI, NMS Integration - ZABBIX, PRTG Monitor, Open NMS Environmental Operating temperature -40°C (-40F) ~ +70°C (+158F) Humidity 5% ~ 100% non-condensing Wind Resistance 160 kmph for sustained wind, 250 kmph for wind gusts Standard IP67 Physical Dimensions 23.9cm(L), 19.5cm(W), 8.3cm(H) Weight 1575 g (3.47 lbs) Mounting kit Pole mount Firmware Management Cloud-managed firmware update Scheduled firmware and security update		
Device / System Monitoring SNMP v1, v2c, v3, Syslog Controller DR (Disaster Recovery) Supported Device Security Certificate Locally-significant certificates using PKI Controller Communication Encrypted Comtroller Communication Encrypted Application Integration PM WANI, NMS Integration - ZABBIX, PRTG Monitor, Open NMS Environmental Operating temperature -40°C (-40F) ~ +70°C (+158F) Humidity 5% ~ 100% non-condensing Wind Resistance 160 kmph for sustained wind, 250 kmph for wind gusts Standard IP67 Physical Dimensions 23.9cm(L), 19.5cm(W), 8.3cm(H) Weight 1575 g (3.47 lbs) Mounting kit Pole mount Firmware Management Cloud-managed firmware update Scheduled firmware and security update		
Monitoring SNMP VI, V2C, V3, Syslog Controller DR (Disaster Recovery) Device Security Certificate Locally-significant certificates using PKI Controller Encrypted Communication B02,1x RADIUS supplicant Application Integration PM WANI, NMS Integration - ZABBIX, PRTG Monitor, Open NMS Environmental Operating temperature -40°C (-40F) ~ +70°C (+158F) Humidity 5% ~ 100% non-condensing Wind Resistance 160 kmph for sustained wind, 250 kmph for wind gusts Standard 1P67 Physical Dimensions 23.9cm(L), 19.5cm(W), 8.3cm(H) Weight 1575 g (3.47 lbs) Mounting kit Pole mount Firmware Management Cloud-managed firmware update Scheduled firmware and security update	Device /System	
Cossister Recovery Supported	7 -	SNMP v1, v2c, v3, Syslog
Certificate Locally-significant certificates using PKI Controller Communication Encrypted Port Access 802.1x RADIUS supplicant Application Integration PM WANI, NMS Integration - ZABBIX, PRTG Monitor, Open NMS Environmental Operating temperature -40°C (-40F) ~ +70°C (+158F) Humidity 5% ~ 100% non-condensing Wind Resistance 160 kmph for sustained wind, 250 kmph for wind gusts Standard IP67 Physical Dimensions 2.3.9cm(L), 19.5cm(W), 8.3cm(H) Weight 1575 g (3.47 lbs) Mounting kit Pole mount Firmware Management Cloud-managed firmware update Scheduled firmware and security update		Supported
Controller Communication Port Access 802.1x RADIUS supplicant Application Integration PM WANI, NMS Integration - ZABBIX, PRTG Monitor, Open NMS Environmental Operating temperature -40°C (-40F) ~ +70°C (+158F) Humidity 5% ~ 100% non-condensing Wind Resistance 160 kmph for sustained wind, 250 kmph for wind gusts Standard IP67 Physical Dimensions 23.9cm(L), 19.5cm(W), 8.3cm(H) Weight 1575 g (3.47 lbs) Mounting kit Pole mount Firmware Management Cloud-managed firmware update Scheduled firmware and security update	Device Security	
Communication Encrypted Port Access 802.1x RADIUS supplicant Application Integration PM WANI, NMS Integration - ZABBIX, PRTG Monitor, Open NMS Environmental Operating temperature -40°C (-40F) ~ +70°C (+158F) Humidity 5% ~ 100% non-condensing Wind Resistance 160 kmph for sustained wind, 250 kmph for wind gusts Standard IP67 Physical Dimensions 23.9cm(L), 19.5cm(W), 8.3cm(H) Weight 1575 g (3.47 lbs) Mounting kit Pole mount Firmware Management Cloud-managed firmware update Scheduled firmware and security update	Certificate	Locally-significant certificates using PKI
Application Integration PM WANI, NMS Integration - ZABBIX, PRTG Monitor, Open NMS Environmental Operating temperature		Encrypted
PM WANI, NMS Integration - ZABBIX, PRTG Monitor, Open NMS Environmental Operating temperature	Port Access	802.1x RADIUS supplicant
NMS Integration - ZABBIX, PRTG Monitor, Open NMS Environmental Operating temperature	Application Integration	
Environmental Operating temperature -40°C (-40F) ~ +70°C (+158F) Humidity 5% ~ 100% non-condensing Wind Resistance 160 kmph for sustained wind, 250 kmph for wind gusts Standard IP67 Physical Dimensions 23.9cm(L), 19.5cm(W), 8.3cm(H) Weight 1575 g (3.47 lbs) Mounting kit Pole mount Firmware Management Cloud-managed firmware update Scheduled firmware and security update	PM WANI,	
Operating temperature -40°C (-40F) ~ +70°C (+158F) Humidity 5% ~ 100% non-condensing Wind Resistance 160 kmph for sustained wind, 250 kmph for wind gusts Standard IP67 Physical Dimensions 23.9cm(L), 19.5cm(W), 8.3cm(H) Weight 1575 g (3.47 lbs) Mounting kit Pole mount Firmware Management Cloud-managed firmware update Scheduled firmware and security update	NMS Integration - ZABBIX	, PRTG Monitor, Open NMS
Humidity 5% ~ 100% non-condensing Wind Resistance 160 kmph for sustained wind, 250 kmph for wind gusts Standard IP67 Physical Dimensions 23.9cm(L), 19.5cm(W), 8.3cm(H) Weight 1575 g (3.47 lbs) Mounting kit Pole mount Firmware Management Cloud-managed firmware update Scheduled firmware and security update	Environmental	
Wind Resistance 160 kmph for sustained wind, 250 kmph for wind gusts Standard IP67 Physical Dimensions 23.9cm(L), 19.5cm(W), 8.3cm(H) Weight 1575 g (3.47 lbs) Mounting kit Pole mount Firmware Management Cloud-managed firmware update Scheduled firmware and security update	Operating temperature	-40°C (-40F) ~ +70°C (+158F)
Standard IP67 Physical Dimensions 23.9cm(L), 19.5cm(W), 8.3cm(H) Weight 1575 g (3.47 lbs) Mounting kit Pole mount Firmware Management Cloud-managed firmware update Scheduled firmware and security update	Humidity	5% ~ 100% non-condensing
Physical Dimensions 23.9cm(L), 19.5cm(W), 8.3cm(H) Weight 1575 g (3.47 lbs) Mounting kit Pole mount Firmware Management Cloud-managed firmware update Scheduled firmware and security update	Wind Resistance	160 kmph for sustained wind, 250 kmph for wind gusts
Dimensions 23.9cm(L), 19.5cm(W), 8.3cm(H) Weight 1575 g (3.47 lbs) Mounting kit Pole mount Firmware Management Cloud-managed firmware update Scheduled firmware and security update	Standard	IP67
Weight 1575 g (3.47 lbs) Mounting kit Pole mount Firmware Management Cloud-managed firmware update Scheduled firmware and security update	Physical	
Mounting kit Pole mount Firmware Management Cloud-managed firmware update Scheduled firmware and security update	Dimensions	23.9cm(L), 19.5cm(W), 8.3cm(H)
Firmware Management Cloud-managed firmware update Scheduled firmware and security update	Weight	1575 g (3.47 lbs)
Cloud-managed firmware update Scheduled firmware and security update	Mounting kit	Pole mount
Scheduled firmware and security update	Firmware Management	
• •	Cloud-managed firmware	update
Firmware upgrade via Access Point local GUI	Scheduled firmware and se	ecurity update
	Firmware upgrade via Acce	ess Point local GUI



Certifications	
Regulatory	FCC
	ETA
	BIS
Environmental	RoHS
	CE
	IP67

ORDERING INFORMATION

Part Code	Description
QN-0-240	Quantum Networks QN-O-240 dual-band 802.11ax outdoor wireless access point, 2x2:2 streams, 1x1/2.5G N Base-T Ethernet port and 1x1G base-X SFP port, 802.3 at PoE support. Includes 1-year limited liability manufacturer's warranty for the access point. Does not include PoE injector or power adaptor. Does not include cloud controller license.
QN-O-240-N	Quantum Networks QN-O-240-N connectorized dual-band 802.11ax outdoor wireless access point, 2x2:2 streams, 1x1/2.5G N Base-T Ethernet port and 1x1G base-X SFP port, 802.3 at PoE support. Includes 1-year limited liability manufacturer's warranty for the access point. Does not include PoE injector or power adaptor. Does not include cloud controller license.
QN-O-240-PE	Quantum Networks QN-O-240-PE dual-band 802.11ax outdoor wireless access point, 2x2:2 streams, 1x1/2.5G N Base-T Ethernet port and 1x1G Base-T Ethernet port, 802.3 at PoE support. Includes 1-year limited liability manufacturer's warranty for the access point. Does not include PoE injector or power adaptor. Does not include cloud controller license.
Accessories Part Code	Description
QN-ANT-2-5DB	2.4GHz External Outdoor Antennae with N-Connector, Gain: 5dBi
QN-ANT-2-8DB	2.4GHz External Outdoor Antennae with N-Connector, Gain: 8dBi
QN-ANT-2-12DB	2.4GHz External Outdoor Antennae with N-Connector, Gain: 12dBi
QN-ANT-2-15DB	2.4GHz External Outdoor Antennae with N-Connector, Gain: 15dBi
QN-ANT-5-5DB	5GHz External Outdoor Antennae with N-Connector, Gain: 5dBi
QN-ANT-5-8DB	5GHz External Outdoor Antennae with N-Connector, Gain: 8dBi
QN-ANT-5-12DB	5GHz External Outdoor Antennae with N-Connector, Gain: 12dBi
QN-ANT-5-15DB	5GHz External Outdoor Antennae with N-Connector, Gain: 15dBi

DEVICE UPGRADE

Part Code	Description
QN-O-240-loT	Additional BLE module for IoT-related applications.
QN-O-240-DPOE	Additional PoE support on the LAN interface.