OUTDOOR ACCESS POINT QN-0-490





PRODUCT OVERVIEW

QN-O-490 built-in with smart antenna and MU-MIMO technology provide high data rates even in high-density and high-interference environments. SFP backhaul port allows service providers to backhaul data over fiber without the need for additional hardware devices to convert Fiber to Ethernet

QN-O-490 is manageable through a centralized platform and supported by Quantum Rudder. QN-O-490 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.



Up to 5.9 Gbps Data Rate



2.5G Connectivity



2.4 GHz - 4x4, 5 GHz - 4x4



MU-MIMO With OFDMA



1 Year Warranty

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.



Wi-Fi				
Wi-Fi Standards	5 GHz	IEEE 802.11a/n/ac/ax		
	2.4 GHz	IEEE 802.11b/g/n/ax		
Operating Mode	Access point, Router, Mesh mode			
Networking Mode	IPv4, IPv6, IPv4v6 (Dual stack), Gateway mode (NAT), Bridge mode			
Maximum Data Rates	5 GHz	802.11ax@ 160 MHz: 4800 Mbps		
		802.11ax@ 80 MHz: 2402 Mbps		
		802.11ax@ 40 MHz: 1147.1 Mbps		
		802.11ax@ 20 MHz: 573.5 Mbps		
		802.11ac@ 80 MHz: 2166.7 Mbps		
		802.11ac@ 40 MHz: 1000 Mbps		
		802.11ac@ 20 MHz: 481.8 Mbps		
	2.4 GHz	802.11ax@ 40 MHz: 1147.1 Mbps		
		802.11ax@ 20 MHz: 573.5 Mbps		
		802.11n@ 40 MHz: 500 Mbps		
		802.11a/g@ 20 MHz: 54 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)		
	2.4 GHz	1-13 (As per country regulations)		
		Dynamic frequency selection (DFS) optimizes		
Modulation Schemes	802.11ax	the use of available RF spectrum BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM		
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	4x4:4	Streams in 5GHz-OFDMA with MU-MIMO		
Streams	4x4:4	Streams in 2.4GHz- OFDMA with MU-MIMO		
Channel Size	802.11n	20/40 (HT) MHz		
Charmer Size	802.11ac	20/40/80 (VHT) MHz		
Wireless Security WPA3-AES personal, Enhanced open (OWE)				
Wileless Security	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 (802.1v/EAR-PEAR EAR-TLS EAR-TLS)			
	WPA2-Enterprise (802.1x/EAP-PEAP, EAP-TLS, EAP-TTLS) WPA personal, WPA Mixed-Enterprise (802.1x/EAP-PEAP)			
	WEP-64, WEP-128, MAC-based authentication			
	Captive portal-based authentication			
	Captive portal-pased additellification			



Wireless Security	802.11i					
	Quantum Secure	Quantum Secure				
	Hide SSID in beacons					
WIPS/WIDS for Various	Rogue Station Detection					
Attack Signatures	Deauth attack detection, RTS and CTS abuse attacks detection					
	Assoc attack detection,	Fata jack tool detection,				
	DHCP snooping server	detection, Honeypot / Evil Twin attacks detection				
	Misconfigured AP detec	ction				
	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, A	Active directory, LDAP				
User Authentication	Methods	Captive portal, QN-Secure+, 802.1x (Radius)				
	Directory	QIM, Microsoft active directory, LDAP, G suite, Oauth				
	Mode	Via Controller / Access points				
Roaming	IEEE 802.11k (Assisted Roaming)					
	IEEE 802.11v (BSS Transition Management)					
	IEEE 802.11r (Fast BSS	Transition (FT))				
	Pairwise Master Key (PMK) caching Opportunistic key caching					
	Seamless roaming for captive portal users					
Channel / Tx Power	Auto / Manual channel selection					
Management	Speedy channel for performance optimization					
	Channel switch for performance optimization					
	ATP-Automatic Transmit Power management					
Client Management	Band steering					
	Band balancing					
	Airtime fairness					
Guest Management	WISPr – Captive portal,	HotSpot 2.0				
Native Guest Portal	Customized Template	Yes (User define, Theme-based)				
	Authentication Method	Click-through, Access code, Self-sign-up (SMS, Email), 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
Access Control List	Force DHCP
	URL & Application filtering
	Full Client Isolation, Deny inter user bridging,
	Deny intra VLAN traffic
	Bandwidth Restriction per SSID/User
	OS restriction
	L2 (MAC) filtering
	L3 (IP) / L4 (Port) filtering
	MAX clients per radio
	Internet freeze per SSID/User
Meshing	Wireless (singlehop / multihop)
	Wired
Radio Management	DTIM interval
	OFDM Only (Disables 802.11b)
	BSS Rate and management rate
	UAPSD (Power save)
	Inactivity timeout
Network Management	IEEE 802.11d/h (DFS) support
	LLDP discovery, SFlow
	Proxy ARP
	DHCP options 60 and 82
	Port forwarding in router mode
Administration	WLAN scheduling
	Internet speed test
	Schedule reboot
Wi-Fi 6 Features	Target wake time
	BSS colouring
	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
	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



Ethernet WAN	WAN (DHCP/Static/PPPoE)
Protocols	Static, RIP v2, OSPF v2
Tunneling	GRE, IPSec, Wire guard, OVPN
Multi-WAN	Yes, Auto-Failover, Link load balancing
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)

Auto-QoS, 802.11e,

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

WMM, 802.1p

Performance & Capacit	У	
Peak PHY Rates	5 GHz	4800 Mbps (802.11ax)
	2.4 GHz	1147.1 Mbps (802.11ax)
Client Capacity	Up to 1024 clients per access point	

SSID Up to 32 per access point (16 per Radio)

3312	op to 32 per decess point (10 per radio)					
RF		QN-O-490	QN-0-490-N	l e		
			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	24 dBm	24 dBm	22 dBm	22 dBm	22 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	7.6 dBi	5 dBi	8 dBi	12 dBi	15 dBi
	2.4 GHz	5.5 dBi	5 dBi	8 dBi	12 dBi	15 dBi
	BLE	5.5 dBi	5.5 dBi	5.5 dBi	5.5 dBi	5.5 dBi
EIRP (As per country	5 GHz	31.6 dBm	29 dBm	30 dBm	34 dBm	37 dBm
regulations)	2.4 GHz	32.5 dBm	32 dBm	33 dBm	37 dBm	40 dBm
Antenna Type		Built-in integrated antenna for both radios and BLE	External anten	nas connectors		

Р	O	W	ч	e
			1	

Rating 802.3 at / bt (PoE++)- Fully functional with all components



Ethernet WAN / LAN:1 x 10/100/1000/2.5G Base-T Ethernet, Auto-MDIX, RJ-45 with 802.3at PoE WAN / LAN:1 x 10G Base-X (SX / LX) SFP port 802.3bz specifications, 802.3az Energy Efficient Ethernet (EEE) Buttons Restart/Reset LED Indicators Power, 2.4 GHz, 5 GHz, Uplink Management Powice Management Standalone, Local (web UI), SSH (CLI) Quantum Rudder (Controller based) Quantum Rudder (On-premises VM) Quantum Rudder	Physical Interfaces	
Fiber WAN / LAN:1 x 10G Base-X (SX / LX) SFP port 802.3bz specifications, 802.3az Energy Efficient Ethernet (EEE) Buttons Restart/Reset LED Indicators Power, 2.4 GHz, 5 GHz, Uplink Management Device Management Evice Management Device Management Author Management Device Management Evice Management Device Management Evice Management Device Management Device Management Device Management Evice Management Device Management Device Management Device Management Device Management Device System Monitoring Controller DR (Disaster Recovery) Device Security Device Security Device Security Encrypted Communication Port Access BO2.1x RADIUS supplicant Application Integration ZABBIX, PRTG Monitor, Open NMS Environmental Operating temperature Poperating 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 IP67 Physical Dimensions 2.3.9cm(L), 19.5cm(W), 8.3cm(H) Weight 1575 g (3.47 lbs) Mounting kit Poleudemanaged firmware update Cloud-managed firmware update Cloud-managed firmware and security update		WAN / LAN: 1 x 10 / 100 / 1000 / 2 5G Base - T Ethernet Auto-MDIX R I - 45 with 802 3 at
Buttons Restart/Reset	Lilellet	
Buttons Restart/Reset LED Indicators Power, 2.4 GHz, 5 GHz, Uplink Management Device Management Standalone, Local (web Ul), SSH (CLI) Quantum Rudder (Controller based) Quantum Rudder appliances (RR-200, RR-300, RR-400) Through NMS using SNMP MIBS Local device web management Device /System SNMP vI, v2c, v3, Syslog 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 S% ~ 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	Fiber	WAN / LAN:1 x 10G Base-X (SX / LX) SFP port
Device Management		802.3bz specifications, 802.3az Energy Efficient Ethernet (EEE)
Device Management Standalone, Local (web UI), SSH (CLI) Quantum Rudder (Controller based) Quantum Rudder (Controller OR, RR-300, RR-400) Through NMS using SNMP MIBS Local device web management SNMP vI, v2c, v3, Syslog SNMP vI, v2c, v3, Syslog Quantum Rudder (Controller DR, V2c, v3, Syslog Quantum Rudder (Controller DR, V2c, v3, Syslog Quantum Rudder (Controller Controller Controller Controller Controller Controller Communication Encrypted Encrypted Portion Rudder (Controller Communication Port Access 802.1x RADIUS supplicant Application Integration Port Access 802.1x RADIUS supplicant Portion Rudder (Controller Controller Controle	Buttons	Restart/Reset
Device Management Standalone, Local (web UI), SSH (CLI) Quantum Rudder (Controller based) Quantum Rudder (On-premises VM) Quantum Rudder appliances (RR-200, RR-300, RR-400) Through NMS using SNMP MIBS 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	LED Indicators	Power, 2.4 GHz, 5 GHz, Uplink
Quantum Rudder (Controller based) Quantum Rudder (On-premises VM) Quantum Rudder appliances (RR-200, RR-300, RR-400) Through NMS using SNMP MIBs Local device web management Device / System	Management	
Quantum Rudder (On-premises VM) Quantum Rudder appliances (RR-200, RR-300, RR-400) Through NMS using SNMP MIBS Local device web management Device / System SNMP VI, v2c, v3, Syslog Monitoring Controller DR (Disaster Recovery) Device Security Certificate Locally-significant certificates using PKI Controller Encrypted 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 update	Device Management	Standalone, Local (web UI), SSH (CLI)
Quantum Rudder appliances (RR-200, RR-300, RR-400) Through NMS using SNMP MIBS Local device web management Device / System SNMP v1, v2c, v3, Syslog Monitoring Controller DR (Disaster Recovery) Device Security Certificate Locally-significant certificates using PKI Controller Encrypted 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		Quantum Rudder (Controller based)
Through NMS using SNMP MIBS Local device web management Device / System		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 Encrypted 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 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		Quantum Rudder appliances (RR-200, RR-300, RR-400)
Device / System Monitoring SIMP v1, v2c, v3, Syslog Supported (Disaster Recovery) Device Security Certificate Locally-significant certificates using PKI Controller Encrypted		Through NMS using SNMP MIBs
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		Local device web management
Controller DR (Disaster Recovery) Device Security Certificate Locally-significant certificates using PKI Controller Encrypted Communication Port Access 802.lx 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		SNMP v1, v2c, v3, Syslog
Cotrificate Locally-significant certificates using PKI		Constant
Device Security Certificate Locally-significant certificates using PKI Controller Encrypted 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		Supported
Controller Communication Port Access 802.1x RADIUS supplicant Application Integration PM WANI, NMS Integration ZABBIX, PRTG Monitor, Open NMS Environmental Operating temperature	•	
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	Certificate	Locally-significant certificates using PKI
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	Controller	Encrypted
Application Integration PM WANI, NMS Integration ZABBIX, PRTG Monitor, Open NMS Environmental Operating temperature	Communication	
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	
ZABBIX, PRTG Monitor, Open NMS Environmental Operating temperature	PM WANI,	
Environmental Operating temperature	NMS Integration	
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	ZABBIX, PRTG Monitor, C	pen 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 Acc	ess Point local GUI



Certifications		
	FCC	
Regulatory	ETA	
	BIS	
Environmental	RoHS	
Environmental	CE	

ORDERING INFORMATION

Part Code	Description
QN-O-490	Quantum Networks QN-O-490 dual-band 802.11ax outdoor wireless access point, 4x4:4 streams, 1x1/2.5G base-T Ethernet port and 1x10G Base-X SFP port, onboard BLE support, 802.3 at PoE support. Includes 1-year limited liability manufacturer's warranty start from date of activation for the access point. Does not include PoE injector or power adaptor. Does not include cloud controller license.
QN-O-490-N	Quantum Networks QN-O-490-N-NFR connectorized dual-band 802.11ax outdoor wireless access point, 4x4:4 streams, 1x1/2.5G Base-T Ethernet port and 1x10G Base-X SFP port, onboard BLE support, 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
	Description
QN-ANT-2-5DB	2.4GHz External Outdoor Antennae with N-Connector, Gain: 5dBi
	·
QN-ANT-2-5DB	2.4GHz External Outdoor Antennae with N-Connector, Gain: 5dBi
QN-ANT-2-5DB QN-ANT-2-8DB	2.4GHz External Outdoor Antennae with N-Connector, Gain: 5dBi 2.4GHz External Outdoor Antennae with N-Connector, Gain: 8dBi
QN-ANT-2-5DB QN-ANT-2-8DB QN-ANT-2-12DB	2.4GHz External Outdoor Antennae with N-Connector, Gain: 5dBi 2.4GHz External Outdoor Antennae with N-Connector, Gain: 8dBi 2.4GHz External Outdoor Antennae with N-Connector, Gain: 12dBi
QN-ANT-2-5DB QN-ANT-2-8DB QN-ANT-2-12DB QN-ANT-2-15DB	2.4GHz External Outdoor Antennae with N-Connector, Gain: 5dBi 2.4GHz External Outdoor Antennae with N-Connector, Gain: 8dBi 2.4GHz External Outdoor Antennae with N-Connector, Gain: 12dBi 2.4GHz External Outdoor Antennae with N-Connector, Gain: 15dBi
QN-ANT-2-5DB QN-ANT-2-8DB QN-ANT-2-12DB QN-ANT-2-15DB QN-ANT-5-5DB	2.4GHz External Outdoor Antennae with N-Connector, Gain: 5dBi 2.4GHz External Outdoor Antennae with N-Connector, Gain: 8dBi 2.4GHz External Outdoor Antennae with N-Connector, Gain: 12dBi 2.4GHz External Outdoor Antennae with N-Connector, Gain: 15dBi 5GHz External Outdoor Antennae with N-Connector, Gain: 5dBi

DEVICE UPGRADE

Part Number	Description
QN-MR-25	Add-on dedicated Wi-Fi radio module (QN-MR-25) supports dual band, ideal for applications such as WIPS/WIDS sensors, improved RRM decisions from continuous spectrum visibility, and enhanced network assurance and troubleshooting. This module must be ordered with the hardware.