



QQ-R-3000

High-speed, reliable, and cost-effective wireless for enterprises

Ideal for small retail stores and home offices.

PRODUCT OVERVIEW

The QQ-R-3000 access point offers reliable, highspeed connectivity in medium-density areas, supporting data-intensive applications without high costs.

It delivers secure, dependable performance with high EIRP and 5dBi antenna gain, essential for enterprises.

Featuring dual-band 802.11ax, OFDMA, 1024 QAM, BSS Coloring, Target Wake Time, Spatial Reuse, and 160 MHz Channel Bandwidth, the QQ-R-3000 delivers efficient, high-speed connectivity, broad coverage and reliable performance in dense environments.



Up to 3 Gbps Data Rate



1 GbE Connectivity



2.4 GHz - 2x2, 5 GHz - 2x2



MU-MIMO With OFDMA

HIGHLIGHTS



Exceptional Wi-Fi
Performance



Theft Prevention Functionality



Advanced Wi-Fi 6 Features



2 Years Warranty



TECHNICAL SPECIFICATIONS

Wi-Fi Standards 5 GHz IEEE 802.1la/n/ac/ax Operating Mode Access point Networking Mode Bridge mode Networking Mode Bridge mode Reference of Standards (Part of Standards) 802.1lax@ 160 MHz: 2402 Mbps 802.1lax@ 80 MHz: 2402 Mbps 802.1lax@ 80 MHz: 2402 Mbps 802.1lax@ 40 MHz: 1147.1 Mbps 802.1lax@ 20 MHz: 573.5 Mbps 802.1lax@ 80 MHz: 1266.7 Mbps 802.1lax@ 80 MHz: 1266.7 Mbps 802.1lax@ 20 MHz: 2481.8 Mbps 802.1lax@ 20 MHz: 481.8 Mbps 802.1lax@ 20 MHz: 286.8 Mbps 802.1lax@ 20 MHz: 573.5 Mbps 802.1lax@ 20 MHz: 593.5 Mbps 802.1lax@ 20 MHz: 544.8 Mbps 802.1lax@ 20 MHz: 593.5 Mbps 802.1lax@ 20 MHz: 544.8 Mbps 802.1lax@ 20 MHz: 548.8 Mbps 802.1lax@ 20 MHz: 544.8 Mbps 802.1lax@ 20 MHz: 544.8 Mbps 802.1lax@ 20 MHz: 544.8 Mbps 802.1lax@ 20 MHz: 548.8 Mbps 802.1lax@ 20 MHz: 544.8 Mbps 802.1lax@ 20 MHz: 548.8 Mbps 802.1lax@ 20 MHz: 548.8 Mbps 802.1lax@ 20 MHz: 548.8 Mbps 802.1lax@ 20 MHz: 548.8 Mbps 802.1lax@ 20 MHz: 548.8 Mbps 802.1lax@ 20 MHz: 548.8 Mbps 802.1lax@ 20 MHz: 548.8 Mbps 802.1lax@ 20 MHz: 548.8 Mbps <t< th=""><th>Wi-Fi</th><th></th><th></th></t<>	Wi-Fi			
Departing Mode Access point	W. F. Charles	5 GHz	IEEE 802.11a/n/ac/ax	
Networking Mode Bridge mode A Rode March Stream 802.11ax@ 160 MHz: 2402 Mbps 802.11ax@ 80 MHz: 2402 Mbps 802.11ax@ 20 MHz: 147.1 Mbps 802.11ax@ 20 MHz: 147.1 Mbps 802.11ax@ 20 MHz: 166.7 Mbps 802.11ax@ 20 MHz: 2166.7 Mbps 802.11ax@ 20 MHz: 2166.7 Mbps 802.11ax@ 20 MHz: 481.8 Mbps 802.11ax@ 20 MHz: 1000 Mbps 802.11ax@ 20 MHz: 481.8 Mbps 802.11ax@ 20 MHz: 573.5 Mbps 802.11ax@ 20 MHz: 500 Mbps 802.11ax@ 20 MHz: 500 Mbps 802.11ax@ 20 MHz: 50 Mbps 802.11ax@ 20 MHz: 50 Mbps 802.11ax@ 20 MHz: 50 Mbps 802.11ax@ 20 MHz: 11 Mbps 802.11ax@ 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-2e, UNII-3 compliant) (As per country regulations) 2.4 GHz 1-13 (As per country regulations) 2.4 GHz 5 GHz 5 GHz (U-NII-2), 5.25-5.35 GHz (U-NII-2A), 5.47-5.725 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), 5.47-5.72	WI-FI Standards	2.4 GHz	IEEE 802.11b/g/n/ax	
Maximum Data Rates 5 GHz 802.11ax@ 160 MHz: 2402 Mbps Maximum Data Rates 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@ 40 MHz: 1000 Mbps 802.11ac@ 20 MHz: 481.8 Mbps 802.11ac@ 20 MHz: 573.5 Mbps 802.11ac@ 20 MHz: 573.5 Mbps 802.11ac@ 20 MHz: 573.5 Mbps 802.11ac@ 20 MHz: 500 Mbps 802.11ac@ 20 MHz: 286.8 Mbps 802.11ac@ 20 MHz: 500 Mbps 802.11ac@ 20 MHz: 11 Mbps 802.11b@ 20 MHz: 11 Mbps 802.11b@ 20 MHz: 11 Mbps 802.11b@ 20 MHz: 11 Mbps 802.11b@ 20 MHz: 11 Mbps 802.11b@ 20 MHz: 11 Mbps 802.11b@ 20 MHz: 11 Mbps 802.11b@ 20 MHz: 11 Mbps 802.11b@ 20 MHz: 11 Mbps 802.11b@ 20 MHz: 11 Mbps 802.11b@ 20 MHz: 11 Mbps 802.11b@ 20 MHz: 11 Mbps 802.11b@ 20 MHz: 11 Mbps 802.11b@ 20 MHz: 11 Mbps 802.11b@ 20 MHz: 11 Mbps 802.11b@ 20 MHz: 11 Mbps 802.11b@ 20 MHz: 11 Mbps 802.11b@ 20 MHz: 11 Mbps 802.11b@ 20 MHz: 11 Mbps 802.11b@ 20 MHz: 11 Mbps 802.11b@ 20 MHz: 11 Mbps 802.11b@ 20 MHz: 11 Mbps 802.11b@ 20 MHz: 11 Mbps 802.11	Operating Mode	Access point		
Maximum Data Rates	Networking Mode	Bridge mode		
Maximum Data Rates 5 GHz 802.1lax@ 40 MHz: 1147.1 Mbps Maximum Data Rates 802.1lax@ 20 MHz: 573.5 Mbps 802.1lac@ 80 MHz: 2166.7 Mbps 802.1lac@ 20 MHz: 481.8 Mbps 802.1lac@ 20 MHz: 481.8 Mbps 802.1lac@ 20 MHz: 573.5 Mbps 802.1lac@ 20 MHz: 286.8 Mbps 802.1lac@ 20 MHz: 500 Mbps 802.1lac@ 20 MHz: 500 Mbps 802.1lac@ 20 MHz: 54 Mbps 802.1lac@ 20 MHz: 11 Mbps 802.1lb@ 20 MHz: 11 Mbps Sensitivity 5 GHz -98 dBm Supported Channels 5 GHz 99 dBm Supported Channels 5 GHz 1-13 (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-N			802.11ax@ 160 MHz: 2402 Mbps	
Maximum Data Rates 5 GHz 802.11ac@ 20 MHz: 573.5 Mbps Maximum Data Rates 802.11ac@ 40 MHz: 1000 Mbps 802.11ac@ 20 MHz: 481.8 Mbps 802.11ac@ 20 MHz: 481.8 Mbps 802.11ac@ 20 MHz: 573.5 Mbps 802.11ac@ 20 MHz: 573.5 Mbps 802.11ac@ 20 MHz: 286.8 Mbps 802.11ac@ 20 MHz: 54 Mbps 802.11ac@ 20 MHz: 54 Mbps 802.11b@ 20 MHz: 11 Mbps 802.11b@ 20 MHz: 11 Mbps 802.11b@ 20 MHz: 11 Mbps 802.11b@ 20 MHz: 11 Mbps 93 dBm Supported Channels 5 GHz 93 dBm 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-2A), 5.47-5.725 GHz (U-NII-2C), 5.725-5.85 GHz (U-NII-3) Modulation Schemes 802.11ax BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM 802.11ac BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM 802.11b BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM 802.11b BPSK, QPSK, 16-QAM, 64-QAM 802.11b BPSK, QPSK, 16-QAM, 64-QAM 802.11b BPSK, QPSK, 16-QAM, 64-QAM			802.11ax@ 80 MHz: 2402 Mbps	
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Maximum Data Rates 802.1lac@ 40 MHz: 1000 Mbps 802.1lac@ 20 MHz: 481.8 Mbps 802.1lax@ 40 MHz: 573.5 Mbps 802.1lax@ 20 MHz: 286.8 Mbps 802.1lax@ 20 MHz: 286.8 Mbps 802.1la/@ 20 MHz: 500 Mbps 802.1la/@ 20 MHz: 54 Mbps 802.1la/@ 20 MHz: 11 Mbps 802.1la/@ 20 MHz: 11 Mbps Maximum Receiver Sensitivity 5 GHz -98 dBm Supported Channels 2.4 GHz -93 dBm 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) 2.4 GHz 1-13 (As per country regulations) Dynamic frequency selection (DFS) optimizes the use of available RF spectrum 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-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-2A), 5.47-5.725 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-2A), 5.47-5.725 GHz (U-NII-2A), 5.47-5.7		5 GHz	802.11ax@ 20 MHz: 573.5 Mbps	
Solitage 20 MHz: 481.8 Mbps			802.11ac@ 80 MHz: 2166.7 Mbps	
802.11ac@ 20 MHz: 481.8 Mbps 802.11ac@ 20 MHz: 573.5 Mbps 802.11ac@ 20 MHz: 286.8 Mbps 802.11ac@ 20 MHz: 500 Mbps 802.11ac@ 20 MHz: 500 Mbps 802.11ac@ 20 MHz: 54 Mbps 802.11b@ 20 MHz: 11 Mbps 802.11b@ 20 MHz: 12 Mbps 802.11a Mps 802.11a Mps 802.11a Mps 802.11a Mps 802.11a Mps 802.11b Mps	Mayimum Data Datas		802.11ac@ 40 MHz: 1000 Mbps	
2.4 GHz 802.11ax@ 20 MHz: 286.8 Mbps 802.11a @ 40 MHz: 500 Mbps 802.11a @ 20 MHz: 54 Mbps 802.11a @ 20 MHz: 11 Mbps 802.11b @ 20 MHz: 11 Mbps 802.11a MHz: 24 GHz	Maximum Data Rates		802.11ac@ 20 MHz: 481.8 Mbps	
2.4 GHz			802.11ax@ 40 MHz: 573.5 Mbps	
802.11a/g@ 20 MHz: 54 Mbps 802.11b@ 20 MHz: 11 Mbps			802.11ax@ 20 MHz: 286.8 Mbps	
802.11b@ 20 MHz: 11 Mbps Maximum Receiver Sensitivity 5 GHz -98 dBm 2.4 GHz -93 dBm 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 the use of available RF spectrum 5 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) 2.4 GHz 2.4-2.484GHz (ISM) 802.11ax BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM 802.11ac BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM 802.11b 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 in 2.4GHz- OFDMA with MU-MIMO 2x2:2 Streams in 2.4GHz- OFDMA with MU-MIMO		2.4 GHz	802.11n@ 40 MHz: 500 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) 2.4 GHz 1-13 (As per country regulations) Dynamic frequency selection (DFS) optimizes the use of available RF spectrum 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) 2.4 GHz 2.4-2.484GHz (ISM) 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, CCK Radio Chains and Spatial Streams 2x2:2 Streams in 5GHz-OFDMA with MU-MIMO 5 GHz 2x2:2 Streams in 2.4GHz- OFDMA with MU-MIMO 802.11n 20/40 (HT) MHz			802.11a/g@ 20 MHz: 54 Mbps	
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 the use of available RF spectrum 2 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) 2.4 GHz 2.4-2.484GHz (ISM) 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, CCK Radio Chains and Spatial Streams 2x2:2 Streams in 5GHz-OFDMA with MU-MIMO Streams in 2.4GHz- OFDMA with MU-MIMO 2x2:2 Streams in 2.4GHz- OFDMA with MU-MIMO			802.11b@ 20 MHz: 11 Mbps	
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 the use of available RF spectrum 5 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) 2.4 GHz 2.4-2.484GHz (ISM) 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 Streams in 2.4GHz- OFDMA with MU-MIMO 802.11n 20/40 (HT) MHz	Maximum Receiver	5 GHz	-98 dBm	
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Compliant) (As per country regulations) 2.4 GHz 1-13 (As per country regulations) Dynamic frequency selection (DFS) optimizes the use of available RF spectrum 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) 2.4 GHz 2.4-2.484GHz (ISM) 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, CCK Radio Chains and Spatial Streams 2x2:2 Streams in 5GHz-OFDMA with MU-MIMO Streams in 2.4GHz- OFDMA with MU-MIMO 802.11n 20/40 (HT) MHz		5 GHz		
Dynamic frequency selection (DFS) optimizes the use of available RF spectrum	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), 5.725-5.85 GHz (U-NII-3) 2.4 GHz 2.4-2.484GHz (ISM) 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, CCK Radio Chains and Spatial Streams 2x2:2 Streams in 5GHz-OFDMA with MU-MIMO Streams in 2.4GHz- OFDMA with MU-MIMO 802.11n 20/40 (HT) MHz				
Channel Bands GHz (U-NII-2C), 5.725-5.85 GHz (U-NII-3) 2.4 GHz 2.4-2.484GHz (ISM) 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, CCK Radio Chains and Spatial Streams 2x2:2 Streams in 5GHz-OFDMA with MU-MIMO Streams in 2.4GHz- OFDMA with MU-MIMO 802.11n 20/40 (HT) MHz				
2.4 GHz 2.4-2.484GHz (ISM) 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, CCK Radio Chains and Spatial Streams 2x2:2 Streams in 5GHz-OFDMA with MU-MIMO Streams in 2.4GHz- OFDMA with MU-MIMO 802.11n 20/40 (HT) MHz	Channel Bands	5 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 in 2.4GHz- OFDMA with MU-MIMO 802.11n 20/40 (HT) MHz	Chamilei Dands	2.4 GHz		
Modulation Schemes 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 in 2.4GHz- OFDMA with MU-MIMO 802.11n 20/40 (HT) MHz	Modulation Schemes	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	BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM	
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		802.11a/g/n	BPSK, QPSK, 16-QAM, 64-QAM	
Streams in 2.4GHz- OFDMA with MU-MIMO 802.11n 20/40 (HT) MHz		802.11b	BPSK, QPSK, CCK	
Streams 2x2:2 Streams in 2.4GHz- OFDMA with MU-MIMO 802.11n 20/40 (HT) MHz	· ·	2x2:2	Streams in 5GHz-OFDMA with MU-MIMO	
		2x2:2	Streams in 2.4GHz- OFDMA with MU-MIMO	
	Channel Size	802.11n	20/40 (HT) MHz	
Channel Size 802.11ac 20/40/80/160 (VHT) MHz		802.11ac	20/40/80/160 (VHT) MHz	
802.11ax 20/40/80/160 (HE) MHz		802.11ax	20/40/80/160 (HE) MHz	
WPA3-AES personal, enhanced open (OWE)	Wireless Security	WPA3-AES personal,	enhanced open (OWE)	
WPA3-WPA2 Mixed- AES personal, Open				
WPA2-TKIP/AES personal, Open				
Wireless Security WPA personal				
WEP-64, WEP-128,				
802.11 w MFP (Management Frame Protection)				



	802.11i			
	Hide SSID in be	acons		
Roaming	IEEE 802.11k (As	IEEE 802.11k (Assisted Roaming)		
	IEEE 802.11v (B	IEEE 802.11v (BSS Transition Management)		
	IEEE 802.11r (Fa	IEEE 802.11r (Fast BSS Transition (FT))		
Channel / Tx Power	Auto / Manual c	Auto / Manual channel selection		
Management	ATP-Automatic	ATP-Automatic Transmit Power management		
Client Management	Band steering			
Diagnostics	3.	Ping, Traceroute, Nslookup, Internet speed, Host discovery, Port connectivity, PCAP capture (Wired and Wireless), ARP scanner		
	Bandwidth Rest	riction per SSID		
Access Control List	L2 (MAC) filteri	L2 (MAC) filtering		
	MAX clients per	MAX clients per radio		
	Internet freeze	per SSID/User		
A 1	WLAN schedulir	WLAN scheduling		
Administration	Schedule reboo	Schedule reboot		
	Target wake tim	Target wake time		
	BSS colouring	BSS colouring		
Wi-Fi 6 Features	Spatial reuse	Spatial reuse		
	Orthogonal free	Orthogonal frequency division multiple access (OFDMA)		
	Preamble punct	Preamble puncturing		
Networking				
Ethernet WAN	WAN (DHCP/S	WAN (DHCP/Static)		
VLAN Support	802.1Q (1 per B	802.1Q (1 per BSSID), Port-based (Tagged, untagged)		
Performance & Capac	ity			
Peak PHY Rates	5 GHz	2402 Mbps (802.11ax)		
	2.4 GHz	573.5 Mbps (802.11ax)		
Client Capacity	Up to 128 clients	Up to 128 clients per access point		
SSID	Up to 8 per acc	Up to 8 per access point		
RF				
Maximum Aggregate Transmit Power	5 GHz	21 dBm (Adjusted as per country regulations)		
	2.4 GHz	23 dBm (Adjusted as per country regulations)		
Antenna Type		Built-in integrated antenna for both radios		
Antenna Gain (Max)	5 GHz	3 dBi		
Antenna Gain (Max)	2.4 GHz	3 dBi		
EIRP	5 GHz	24 dBm		
	2.4 GHz	26 dBm		



Power				
Rating	802.3 af PoE (Class 3) (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 802.3af PoE			
	802.3az Energy Efficient Ethernet (EEE)			
Buttons	Restart/Reset			
LED indicators	Quick Setup, Cloud / Standalone			
Management				
Device Management	Standalone, Local (web UI), SSH (CLI)			
	Quantum Compass			
Environmental				
Operating Temperature	-20°C (-4F) ~ +55°C (+131F)			
Humidity	5% ~ 100% non-condensing			
Standard	Plenum-rated (UL2043)			
Physical				
Dimensions	18.5 cm (L), 18.5 cm (W), 3.3 cm (H)			
Mounting Kit	Ceiling mount			
Firmware Management				
Cloud-managed firmware update				
Firmware upgrade via Access Point local GUI				

ORDERING INFORMATION

Part Code	Description	
QQ-R-3000	Quantum QQ-R-3000 dual-band 802.11ax indoor wireless ceiling mount access point, 2	
	x 2:2 streams, 1 x 1G Base-T Ethernet port, 802.3af PoE support. Comes with a two-year	
	limited liability manufacturer's warranty for the access point. Does not include PoE	
	injector or power adaptor. Does not include cloud controller license.	