



QQ-R-7000

State-of-the-art Wi-Fi 6 technology for expanded coverage and outstanding performance in high-demand environments.

Ideal for resorts, hotels, tech ventures, and Professional environments.

PRODUCT OVERVIEW

The QQ-R-7000 dual-band, dual-concurrent Access Point offers six spatial streams (4x4:4 in 5GHz, 2x2:2 in 2.4GHz) and peak data rates up to 2.9 Gbps.

Equipped with state-of-the-art Wi-Fi 6 (802.11ax) technology, it meets the rising demand for Wi-Fi by ensuring efficient high-speed connectivity, exceptional coverage, and seamless performance in dense environments.

Supporting key Wi-Fi 6 features such as OFDMA, Target Wake Time, BSS Coloring, and spatial reuse, the QQ-R-7000 reduces interference and expands coverage with directional antennas. Ideal for advanced guest Wi-Fi networks, it features integrated BLE Beacons, USB for next-generation customer service hotspots.



Up to 2.9 Gbps Data Rate



2.5 GbE Connectivity



2.4 GHz - 2x2, 5 GHz - 4x4



MU-MIMO With OFDMA

HIGHLIGHTS



Exceptional Wi-Fi
Performance



Theft Prevention Functionality



Advanced Wi-Fi 6 Features



Built-in BLE, USB Support



2 Years Warranty



TECHNICAL SPECIFICATIONS

Wi-Fi Standards 5 GHz IEEE 802.lla/ry/ac/ax Operating Mode Access point Networking Mode Bridge mode Maximum Data Rates Bridge mode 602.llax@ 160 MHz: 2402 Mbps 802.llax@ 80 MHz: 2405 Mbps 802.llax@ 80 MHz: 240.5 Mbps 802.llax@ 90 MHz: 54 Mbps 802.llax@ 100 Mbz: 500 Mbps <	Wi-Fi			
	Wi-Fi Standards	5 GHz	IEEE 802.11a/n/ac/ax	
Networking Mode Bridge mode 802.11ax@ 160 MHz: 2402 Mbps 802.11ax@ 80 MHz: 147.1 Mbps 802.11ax@ 20 MHz: 573.5 Mbps 802.11ax@ 20 MHz: 1266.7 Mbps 802.11ax@ 20 MHz: 240.5 Mbps 802.11ax@ 20 MHz: 240.5 Mbps 802.11ax@ 20 MHz: 240.5 Mbps 802.11ax@ 20 MHz: 250.5 Mbps 802.11ax@ 20 MHz: 500 Mbps 802.11ax@ 20 MHz: 500 Mbps 802.11ax@ 20 MHz: 500 Mbps 802.11bg 20 MHz: 11 Mbps Maximum Receiver 5 GHz 5 GHz -98 dBm 2.4 GHz -93 dBm 5 GHz -98 dBm 6 GHz -98 dBm 5 GHz -98 dBm 6 GHz -98 dBm 6 GHz <		2.4 GHz	IEEE 802.11b/g/n/ax	
B02.11ax@ 160 MHz; 2402 Mbps	Operating Mode	Access point		
Auximum Data Rates	Networking Mode	Bridge mode		
S GHz	J		802.11ax@ 160 MHz: 2402 Mbps	
S GHz			802.11ax@ 80 MHz: 2402 Mbps	
Maximum Data Rates 802.11ac@ 80 MHz: 2166.7 Mbps 802.11ac@ 20 MHz: 1000 Mbps 802.11ac@ 20 MHz: 240.5 Mbps 802.11ac@ 20 MHz: 2573.5 Mbps 802.11ac@ 20 MHz: 286.8 Mbps 802.11ac@ 20 MHz: 573.5 Mbps 802.11ac@ 20 MHz: 58 Mbps 802.11ar@ 20 MHz: 54 Mbps 802.11ar@ 20 MHz: 11 Mbps Maximum Receiver 5 GHz Sensitivity -98 dBm Supported Channels 5 GHz 5 GHz -93 dBm 36-64, 100-144, 149-165 (UNII-1, UNII-2, UNII-2e, UNII-3 compliant) (As per country regulations) Compliant) (As per country regulations) Dynamic frequency selection (DFS) optimizes the use of available RF spectrum February (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 (Hz (U-NII-2A), 5.47-5.725 (802.11ax@ 40 MHz: 1147.1 Mbps	
Maximum Data Rates 802.11ac@ 20 MHz: 240.5 Mbps Maximum Data Rates 802.11ac@ 20 MHz: 273.5 Mbps 802.11ac@ 20 MHz: 573.5 Mbps 802.11ac@ 20 MHz: 573.5 Mbps 802.11ac@ 20 MHz: 580.6 Mbps 802.11ac@ 20 MHz: 54 Mbps 802.11b@ 20 MHz: 11 Mbps Maximum Receiver 5 GHz -98 dBm Supported Channels 5 GHz -93 dBm Supported Channels 5 GHz -98 dBm Supported Channels 5 GHz -93 dBm 2.4 GHz -93 dBm -96 dBm Supported Channels 5 GHz -91 dBm Supported Channels 5 GHz -		5 GHz	802.11ax@ 20 MHz: 573.5 Mbps	
Maximum Data Rates 802.11ac@ 20 MHz: 240.5 Mbps 802.11ac@ 20 MHz: 286.8 Mbps 802.11ac@ 20 MHz: 286.8 Mbps 802.11ac@ 20 MHz: 500 Mbps 802.11ac@ 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 the use of available RF spectrum 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-3A), 5.47-5.725 GHz (U-NII-2C), 5.725-5.85 GHz (U-NII-3A), 5.47-5.725 GHz (U-NII-2C), 5.725-5.85 GHz (U-NII-3A) Modulation Schemes 802.11ac 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, 256-QAM 802.11a/g/n BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM 802.11a S02.11b 802.11b BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM 802.11a S02.11a 802.11a S02.11a			802.11ac@ 80 MHz: 2166.7 Mbps	
802.11ac@ 20 MHz: 240.5 Mbps			802.11ac@ 40 MHz: 1000 Mbps	
2.4 GHz	Maximum Data Rates		802.11ac@ 20 MHz: 240.5 Mbps	
2.4 GHz			802.11ax@ 40 MHz: 573.5 Mbps	
802.11a/g@ 20 MHz: 54 Mbps 802.11b@ 20 MHz: 11 Mbps 902 MHz			802.11ax@ 20 MHz: 286.8 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-3 compliant) (As per country regulations) Zude To Dynamic frequency selection (DFS) optimizes the use of available RF spectrum 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-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) Amodulation 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 802.11c 20/40 (HT) MHz 802.11a 20/40 (HT) MHz 802.11ax 20/40/80 (VHT) MHz 802.11ax 20/40/80 (VHT) MHz 802.11ax 20/40/80 (VHT) MHz WA3-Enterprise (802.1x/		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-2A), 5.47-5.725 GHz (U-NII-3) 2.4 GHz 2.4-2.484GHz (ISM) Modulation Schemes 802.11ax BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM 802.11ac BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM 802.11ab BPSK, QPSK, 16-QAM, 64-QAM 802.11b BPSK, QPSK, CCK Radio Chains and Spatial Streams 4x4:4 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 2x2:2 Streams in 2.4GHz- OFDMA with MU-MIMO 802.11ac 20/40/80 (VHT) MHz 802.11ax 20/40/80 (VHT) MHz 802.11ax 20/40/80/160 (HE) MHz WPA3-Enterp			802.11a/g@ 20 MHz: 54 Mbps	
Sensitivity 2.4 GHz -93 dBm Supported Channels 36-64, 100-144, 149-165 (UNII-1, UNII-2, 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 Streams in 5GHz-OFDMA with MU-MIMO Streams 2x2:2 Streams in 2.4GHz-OFDMA with MU-MIMO 2x2:2 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 (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)			802.11b@ 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 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 802.11b BPSK, QPSK, 16-QAM, 64-QAM 802.11b BPSK, QPSK, CCK Radio Chains and Spatial Streams 5 Streams in 5GHz-OFDMA with MU-MIMO 2x2:2 Streams in 2.4GHz- OFDMA with MU-MIMO 802.11a 20/40/80 (VHT) 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) WPA2-TKIP/AES personal, Open WPA2-Enterprise (802.1x/EAP-PEAP, EAP-TLS, EAP-TTLS)	Maximum Receiver	5 GHz	-98 dBm	
Supported Channels 2.4 GHz compliant) (As per country regulations) Dynamic frequency selection (DFS) optimizes the use of available RF spectrum The properties of th	Sensitivity	2.4 GHz	-93 dBm	
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) 2.4 GHz 2.4-2.484GHz (ISM) 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 802.11b BPSK, QPSK, 16-QAM, 64-QAM 802.11b BPSK, QPSK, 16-QAM, 64-QAM 802.11b BPSK, QPSK, CCK Radio Chains and Spatial Streams 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 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-Enterprise (802.1x/EAP-PEAP, EAP-TLS, EAP-TTLS)	Supported Channels	2.4 GHz	1-13 (As per country regulations)	
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 802.11ac BPSK, QPSK, 16-QAM, 64-QAM 802.11b BPSK, QPSK, CCK Radio Chains and Spatial Streams 4x4:4 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)		Dynamic frequency selection (DFS) optimizes the use of available RF spectrum		
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 2x4-2 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)	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 4x4:4 Streams in 5GHz-OFDMA with MU-MIMO Streams in 2.4GHz- OFDMA with MU-MIMO 802.11n 20/40 (HT) MHz 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)		2.4 GHz	2.4-2.484GHz (ISM)	
Modulation Schemes 802.11a/g/n BPSK, QPSK, 16-QAM, 64-QAM 802.11b BPSK, QPSK, CCK Radio Chains and Spatial Streams 4x4:4 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 4x4:4 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)	M - d. d - ti C - l	802.11ac	BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM	
Radio Chains and Spatial Streams 4x4:4 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)	Modulation Schemes	802.11a/g/n	BPSK, QPSK, 16-QAM, 64-QAM	
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)		802.11b	BPSK, QPSK, CCK	
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	4x4:4	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)	Wireless Security	WPA3-AES personal, enhanced open (OWE)		
WPA2-TKIP/AES personal, Open WPA2-Enterprise (802.1x/EAP-PEAP, EAP-TLS, EAP-TTLS)		WPA3-Enterprise (802.1x/EAP-TLS, EAP-TTLS)		
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		
WPA personal, WPA Mixed-Enterprise (802.1x/EAP-PEAP)		WPA2-Enterprise (802.1x/EAP-PEAP, EAP-TLS, EAP-TTLS)		
		WPA personal, WPA Mixed-Enterprise (802.1x/EAP-PEAP)		



	WEP-64, WEP-128,			
	802.11 w MFP (Management Frame Protection)			
	802.11i			
	Hide SSID in beac	cons		
	IEEE 802.11k (Assisted Roaming)			
	IEEE 802.11v (BSS Transition Management)			
Roaming		BSS Transition (FT))		
	Pairwise Master Key (PMK) caching			
		Opportunistic key caching		
Channel / Tx Power	Auto / Manual channel selection			
Management	ATP-Automatic Transmit Power management			
Client Management	Band steering			
Diagnostics	Ping, Traceroute, Nslookup, Internet speed, Host discovery, Port connectivity, PCAP capture (Wired and Wireless), ARP scanner			
	Bandwidth Restriction per SSID			
	L2 (MAC) filtering			
Access Control List	MAX clients per ra	MAX clients per radio		
	Internet freeze per SSID/User			
	WLAN scheduling			
Administration	Schedule reboot			
	Target wake time			
	BSS colouring			
Wi-Fi 6 Features	Spatial reuse			
	Orthogonal frequency division multiple access (OFDMA)			
	Preamble puncturing			
Networking				
Ethernet WAN	WAN (DHCP/Sta	WAN (DHCP/Static)		
USB WAN	USB dongle (3G/4G), Mobile tethering (USB)			
VLAN Support	802.1Q (1 per BSSID), Port-based (Tagged, untagged)			
IoT	Supported (With	Supported (With BLE)		
Performance & Capacity	y			
Peak PHY Rates	5 GHz	2402 Mbps (802.11ax)		
	2.4 GHz	573.5 Mbps (802.11ax)		
Client Capacity	Up to 384 clients	per Access point		
SSID	Up to 32 per access point (16 per Radio)			
RF				
Maximum Aggregate	5 GHz	23 dBm		
Transmit Power	2.4 GHz	26 dBm		
Antenna Type		Built-in integrated antenna for both radios and BLE		



Antenna Gain (Max)	5 GHz	7.6 dBi		
Antenna Gain (Max)	2.4 GHz	5.5 dBi		
EIRP	BLE	5.5 dBi		
EIRP (Adjusted as per	5 GHz	30.6 dBm		
country regulations)	2.4 GHz	31.5 dBm		
Power	·			
Rating	802.3 af PoE / at PoE+ (Class 4) (Fully functional with all components)			
	12V DC 2A - Fully functional with all components			
Physical Interfaces				
	WAN: 1 x 10/100/1000/2.5G N Base -T ethernet, Auto MDIX, RJ-45 with 802.3at PoE			
Ethernet	LAN: 1 x 10/100/1	1000/2.5G N Base -T ethernet, Auto MDIX, RJ-45 with 802.3at PoE		
	802.3bz specifications, 802.3az Energy Efficient Ethernet (EEE)			
Console	1x RJ-45 Ethern	1 x RJ-45 Ethernet		
USB	1x USB 2.0 port,	1 x USB 2.0 port / USB 3.0 (On selected variant)		
Buttons	Restart/Reset			
LED Indicators	Power, 2.4 GHz,	5 GHz, Uplink		
Management				
Device Management	Standalone, Local (web UI), SSH (CLI)			
	Quantum Compass			
Environmental				
Operating Temperature	0°C (32°F) to 55°C (131°F)			
Humidity	Up to 95%, non-condensing			
Standard	Plenum-rated (UL2043)			
Physical				
Dimensions	19.5 cm (L) x 20.1 cm (W) x 3.98 cm (H)			
Mounting Kit	Ceiling mount			
Firmware Management				
Cloud-managed firmware update				
Firmware upgrade via Acce	Firmware upgrade via Access Point local GUI			

ORDERING INFORMATION

Part Code	Description
	Quantum QQ-R-7000 dual-band 802.11ax indoor wireless access point, 4x4:4 streams in
	5 GHz and 2x2:2 streams in 2.4GHz, 2x1/2.5G Base-T Ethernet ports, onboard BLE
QQ-R-7000	support, 802.3 af/at PoE support. includes 2-year limited liability manufacturer's
	warranty for the access point. Does not include PoE injector or power adaptor. Does not
	include cloud controller license.