



Build a Smarter World

Quectel Antennas

Without an antenna it can't be wireless!

For more information contact
us at www.quectel.com

Contents

01	Quectel Antenna Services
01	Quectel Advantages
01	Instruments
02	5G Antennas
04	Cellular (4G/3G/2G) Antennas
08	GNSS Antennas
14	Wi-Fi & Bluetooth Antennas
15	Combo Antennas
17	ISM Antennas
17	Cable Assemblies

Quectel Antenna Services



Consulting & Evaluation

- Feasibility & Architecture Study
- Risk Identification
- Initial Proof of Concept
- Antenna Component Selection



Design

- Antenna Placement
- Antenna Layout Design
- RF Specification Design
- Antenna System Design & Optimization
- Gerber File Review



Testing & Certification

- Antenna OTA Testing
- Interference Mitigation
- Support for CE/FCC/PTCRB Radio Approval
- Pre-certification OTA Testing for 2G/3G/4G/5G

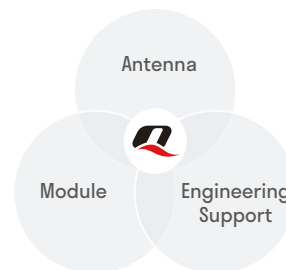


Manufacturing

- Antenna Samples
- Tooling & Molding
- Assembly and Production Testing
- Delivery

Quectel Advantages

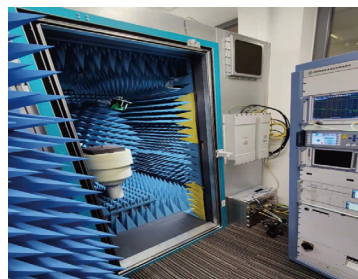
- Solutions for the Entire Wireless RF Front End
- Complete RF Antenna Testing Services
- Global One Stop Engineering Support
- Vertical Integration of Antenna Resources
- Approved for Use with Quectel Modules



Instruments



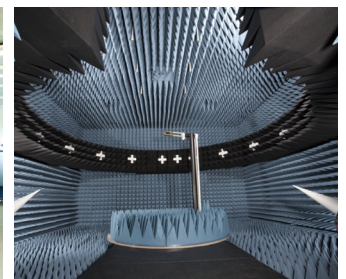
Keysight CATR2305G



Rhode & Schwarz WPTC-XS







RayZone2800








ETS-AMS-8923-150

Quectel Antennas

5G Antennas

Product	YE0001BA	YE0003AA	YE0007AA	YE0025AA
				
Frequency Bands (MHz)	600-6000	699-5000	600-6000	698-960,1710-5000
Technology	5G	5G	5G	5G
Cable Length (mm)	n/a	n/a	n/a	n/a
Connector Type	SMA Male (center pin)	SMA Male (center pin)	SMA Male (center pin)	SMA Male (center pin)
Mounting Type	Terminal	Terminal	Terminal	Terminal
Dimensions (mm)	221 × 26.95 × 13.5	190 × Ø 16	152.4 × 21.79 × 14.49	199 × 22
Matched Quectel Modules	5G/4G/3G/2G/LPWA			

5G Antennas

Product	YE0027AA	YE0028AA	YE0037AA	YXH001AA	YBY00A0KA
					
Frequency Bands (MHz)	699-5000	700-2700, 3300-5000	700-5000	700-960, 1710-2690, 3300-5000	700-960, 1710-2690, 3300-5000
Technology	5G	5G	5G	5G	5G
Cable Length (mm)	3000	1500	1000	1000	n/a
Connector Type	SMA Male (center pin)	SMA Male (center pin)	SMA Male (center pin)	SMA Male (center pin)	N-J (Male pin with internal thread)
Mounting Type	Magnetic	Magnetic	Magnetic	Magnetic	Terminal
Dimensions (mm)	221 × Ø 61	234 × Ø 60	88 × Ø 30	285 × 45	Ø 20 × 300
Matched Quectel Modules	5G/4G/3G/2G/LPWA				




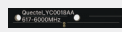

The parameters shall be subject to the Specification.

Quectel Antennas

5G Antennas

Product	YF0002AA	YF0002BA	YF0002CA	YF0002DA
				
Frequency Bands (MHz)	700-960, 1710-2700, 3300-5000	1710-2700, 3300-5000	1710-2700, 3300-5000	700-960, 1710-2700, 3300-5000
Technology	5G	5G	5G	5G
Cable Length (mm)	n/a	n/a	n/a	n/a
Connector Type	Spring contact	Spring contact	Spring contact	Spring contact
Mounting Type	Screw	Screw	Screw	Screw
Dimensions (mm)	60.1 × 12.25 × 10.1	41.25 × 10.1 × 10.1	37.25 × 9.6 × 10.1	50.25 × 20.1 × 10.1
Matched Quectel Modules	5G/4G/3G/2G/LPWA			

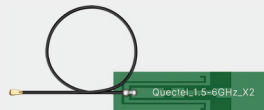
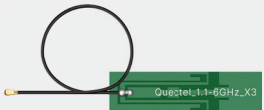
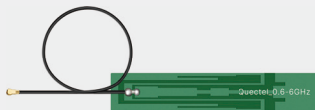
5G Antennas

Product	YF0017AA	YF0017BA	YF0020AA	YC0018AA	YC0018AAEVB
					
Frequency Bands (MHz)	1500-6000	1100-6000	600-6000	617-6000	617-6000
Technology	5G	5G	5G	5G	5G
Cable Length (mm)	193 ±3	193 ±3	184 ±3	n/a	n/a
Connector Type	IPEX IV	IPEX IV	IPEX IV	n/a	n/a
Mounting Type	Adhesive	Adhesive	Adhesive	SMD	n/a
Dimensions (mm)	49 × 13 × 0.13	49 × 13 × 0.13	90.15 × 15.2 × 0.13	42 × 7 × 3	140 × 40.4
Matched Quectel Modules	5G/4G/3G/2G/LPWA				

The parameters shall be subject to the Specification.

Quectel Antennas

5G Antennas

Product	YP0009AA	YP0009BA	YP0009CA
			
Frequency Bands (MHz)	1500-6000	1100-6000	600-6000
Technology	5G	5G	5G
Cable Length (mm)	193 ±3	193 ±3	188 ±3
Connector Type	IPEX IV	IPEX IV	IPEX IV
Mounting Type	Adhesive	Adhesive	Adhesive
Dimensions (mm)	49 × 13 × 0.85	49 × 13 × 0.85	78.5 × 14.2 × 0.85
Matched Quectel Modules	5G/4G/3G/2G/LPWA		



Cellular (4G/3G/2G) Antennas

Product	YC0001AA	YC0002AA	YC0003AA	YC0003AAEVB	YC0017BA	YC0017BAEVB
						
Frequency Bands (MHz)	698-960, 1710-2690	698-960, 1710-2690	698-2700	698-2700	698-3800	698-3800
Technology	LTE (4G)	LTE (4G)	LTE (4G)	LTE (4G)	LTE (4G)	LTE (4G)
Cable Length (mm)	n/a	n/a	n/a	n/a	n/a	n/a
Connector Type	n/a	n/a	n/a	n/a	n/a	n/a
Mounting Type	SMD	SMD	SMD	n/a	SMD	n/a
Dimensions (mm)	35.0 × 8.5 × 3.0	42 × 10 × 3	40 × 7 × 3	120 × 43	26 × 8 × 3	140 × 36
Matched Quectel Modules	4G/3G/2G/LPWA					




The parameters shall be subject to the Specification.

Quectel Antennas

Cellular (4G/3G/2G) Antennas

Product	YF0022AA	YF0007BA	YPCA004AA
			
Frequency Bands (MHz)	700-2690	600-960, 1427.9-1495.9, 1710-2170, 2300-2700	700-2690
Technology	LTE (4G)	LTE (4G)	LTE (4G)
Cable Length (mm)	75 ±3	75 ±3	100 ±3
Connector Type	RF1	RF1	IPEX I
Mounting Type	Adhesive	Adhesive	Adhesive
Dimensions (mm)	40 × 15 × 1.6	50 × 25 × 0.85	40 × 10 × 1
Matched Quectel Modules	4G/3G/2G/LPWA		






Cellular (4G/3G/2G) Antennas

Product	YFCA002AA	YF0006DA	YF0028AA
			
Frequency Bands (MHz)	700-2690	690-960, 1710-2170, 2300-2690	698-3000
Technology	LTE (4G)	LTE (4G)	LTE (4G)
Cable Length (mm)	75 ±3	75±3	150 ±2
Connector Type	RF1	IPEX I	IPEX I
Mounting Type	Adhesive	Adhesive	Adhesive
Dimensions (mm)	30 × 20 × 0.13	50 × 25 × 0.13	96 × 21 × 0.2
Matched Quectel Modules	4G/3G/2G/LPWA		





The parameters shall be subject to the Specification.

Quectel Antennas

Cellular (4G/3G/2G) Antennas

Product	YECT002AA	YECT003AA	YE0009AA	YPR00A0AA	YCN001AA
					
Frequency Bands (MHz)	700-960,1710-2690	698-960, 1710-2700	824-2700	700-2700	700-2700
Technology	LTE (4G)	LTE (4G)	LTE (4G)	LTE (4G)	LTE (4G)
Cable Length (mm)	n/a	n/a	n/a	n/a	n/a
Connector Type	SMA Male (center pin)	SMA Male (center pin)	SMA Male (center pin)	SMA Male (center pin)	SMA Male (center pin)
Mounting Type	Terminal	Terminal	Terminal	Terminal	Terminal
Dimensions (mm)	196.2 × 16 × 13	113 × Ø 10	190 × 16	194.3 × 15.95	144 × Ø 13
Matched Quectel Modules	4G/3G/2G/LPWA				

Cellular (4G/3G/2G) Antennas

Product	YE0006AA	YE0010AA	YB0010AA	YB0016AA
				
Frequency Bands (MHz)	700-2700	698-2700	698-960, 1710-2690	698-960, 1710-2700
Technology	LTE (4G)	LTE (4G)	LTE (4G)	LTE (4G)
Cable Length (mm)	1500	1000 ±30	2000 ±30	3000 ±50
Connector Type	SMA Male (center pin)	SMA Male (center pin)	SMA Male	SMA Male (center pin)
Mounting Type	Magnetic	Adhesive	Magnetic	Screw
Dimensions (mm)	318 × Ø 30	152 × 18 × 5.9	Ø 81.5 × 16	54 × Ø 1
Matched Quectel Modules	4G/3G/2G/LPWA			





The parameters shall be subject to the Specification.

Quectel Antennas

Cellular (4G/3G/2G) Antennas

Product	YE0012AA	YE0021AA	YE0029AA
			
Frequency Bands (MHz)	824-960, 1710-2690	690-960, 1710-2690	700-2700
Technology	LTE (4G)	LTE (4G)	LTE (4G)
Cable Length (mm)	250 ±10	1500 ±30	3000 ±50
Connector Type	SMA Male (center pin)	SMA Male (center pin)	SMA Male (center pin)
Mounting Type	Adhesive	Magnetic	Magnetic
Dimensions (mm)	116.5 × 21.7 × 5.6	112 × 29.8	88 × Ø 30
Matched Quectel Modules	4G/3G/2G/LPWA		

Cellular (4G/3G/2G) Antennas

Product	YDX001AA	YE0002AA	YE0013AA	YGL001AA
				
Frequency Bands (MHz)	824-2690	699-2700	700-2700	700-960, 1710-2690
Technology	LTE (4G)	LTE (4G)	LTE (4G)	LTE (4G)
Cable Length (mm)	n/a	n/a	n/a	n/a
Connector Type	SMA Male (center pin)	RP-SMA Male (center receptacle)	SMA Male (center pin)	SMA Male (center pin)
Mounting Type	Terminal	Terminal	Terminal	Terminal
Dimensions (mm)	208 × Ø 12	174.6 × 19.2	115.4 × 17.5 × Ø 10.2	196.2 × 16 × 13
Matched Quectel Modules	4G/3G/2G/LPWA			

The parameters shall be subject to the Specification.

Quectel Antennas

Cellular (4G/3G/2G) Antennas

Product	YE0008AA	YE0011AA	YKL001CA
			
Frequency Bands (MHz)	824-960, 1710-2170, 2500-2700	824-960, 1710-2170, 2500-2700	NB: 800-1000, 1700-1900
Technology	LTE (4G)	LTE (4G)	2G/3G/NB-IoT
Cable Length (mm)	n/a	n/a	310 ±10
Connector Type	SMA Male (center pin)	SMA Male (center pin)	SMA Male (center pin)
Mounting Type	Terminal	Terminal	Screw
Dimensions (mm)	52 × Φ 10	50 × Φ 10	50 × 48
Matched Quectel Modules	LPWA/3G/2G module series		

GNSS Antennas

Product	YC0013AA	YC0013AAEVB	YC0008AA	YC0008AAEVB
				
Frequency Bands (MHz)	1559-1606	1559-1606	1173, 1575	1173, 1575
Technology	GNSS	GNSS	GNSS L1 & L5 (passive)	GNSS L1 & L5 (passive)
Cable Length (mm)	n/a	n/a	n/a	n/a
Connector Type	n/a	n/a	n/a	n/a
Mounting Type	SMD	n/a	SMD	n/a
Dimensions (mm)	3.2 × 1.6 × 0.6	90 × 50	30 × 5 × 5	80 × 36
Matched Quectel Modules	GNSS L1 module series		GNSS L1/L5 module series	

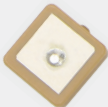
The parameters shall be subject to the Specification.

Quectel Antennas

GNSS Antennas

Product	YCGA001AA	YCGA002AA	YG0038AA
			
Frequency Bands (MHz)	1559-1606	1559-1606	1559-1606
Technology	GNSS L1	GNSS L1	GNSS L1
Cable Length (mm)	n/a	n/a	n/a
Connector Type	n/a	n/a	n/a
Mounting Type	Pin Mounting	Pin Mounting	Pin Mounting
Dimensions (mm)	10 × 10 × 4	12 × 12 × 4	13 × 13 × 4
Matched Quectel Modules	GNSS L1 module series		





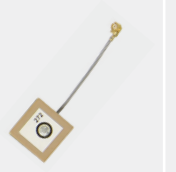

GNSS Antennas

Product	YG0043AA	YG0046AA	YG0005AA	YG0062AA	YG0048AA
					
Frequency Bands (MHz)	1559-1606	1559-1606	1559-1606	1559-1606	1176, 1575
Technology	GNSS L1	GNSS L1	GNSS L1	GNSS L1	GNSS L1 & L5
Cable Length (mm)	n/a	n/a	n/a	n/a	n/a
Connector Type	n/a	n/a	n/a	n/a	n/a
Mounting Type	Pin Mounting	Pin Mounting	Pin Mounting	Pin Mounting	Pin mounting
Dimensions (mm)	15 × 15 × 4	18 × 18 × 2	18 × 18 × 4	25 × 25 × 4	18 × 18 × 4 & 25 × 25 × 4
Matched Quectel Modules	GNSS L1 module series				GNSS L1/L5 module series


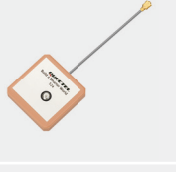


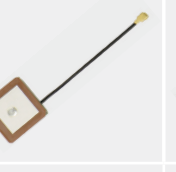
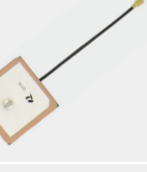
The parameters shall be subject to the Specification.

Quectel Antennas

GNSS Antennas

Product	YCGO004AA	YCGO005AA	YCGO006AA	YCGO007AA	YG0034AA	YG0021AA
						
Frequency Bands (MHz)	1559-1606	1559-1606	1559-1606	1559-1606	1559-1606	1560-1605
Technology	GNSS L1 (passive)	GNSS L1 (passive)	GNSS L1 (passive)	GNSS L1 (passive)	GNSS L1 (active)	GNSS L1 & B1 & G1 (active)
Cable Length (mm)	50±2	50±2	50±2	50±2	35±2	42 ±3
Connector Type	IPEX I	IPEX I	IPEX I	IPEX I	IPEX I	IPEX I
Mounting Type	Cable Mounting	Cable Mounting	Cable Mounting	Cable Mounting	Cable Mounting	Cable Mounting
Dimensions (mm)	10 × 10 × 6.5	15 × 15 × 6.5	18 × 18 × 6.5	25 × 25 × 6.5	13 × 13 × 6.8	18.4 × 18.4 × 8.86
Matched Quectel Modules	GNSS L1 module series					

GNSS Antennas

Product	YG0032AA	YG0015AA	YCGO008AA	YCGO009AA	YCGO010AA	YCGO011AA
						
Frequency Bands (MHz)	Beidou: 1561 ±5 ; GPS: 1575 ±5	1559-1606	1559-1606	1559-1606	1559-1606	1559-1606
Technology	GNSS L1 & B1 & G1 (active)	GNSS L1 (active)	GNSS L1 (active)	GNSS L1 (active)	GNSS L1 (active)	GNSS L1 (active)
Cable Length (mm)	55	55 ±3	50±3	50±2	50±3	50±3
Connector Type	IPEX I	IPEX I	IPEX I	IPEX I	IPEX I	IPEX I
Mounting Type	Cable Mounting	Cable Mounting	Cable Mounting	Cable Mounting	Cable Mounting	Cable Mounting
Dimensions (mm)	18 × 18 × 6.6	25 × 25 × 8.25	10 × 10 × 6.5	15 × 15 × 6.5	18 × 18 × 6.5	25 × 25 × 6.5
Matched Quectel Modules	GNSS L1 module series					

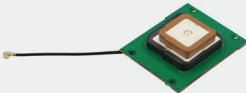


The parameters shall be subject to the Specification.

Quectel Antennas

GNSS Antennas

Product	YCGS004AA	YCGS005AA	YCGS006AA
			
Frequency Bands (MHz)	1560-1606	1560-1606	1560-1606
Technology	GNSS L1 & G1	GNSS L1 & G1	GNSS L1 & G1
Cable Length (mm)	n/a	n/a	n/a
Connector Type	n/a	n/a	n/a
Mounting Type	SMD	SMD	SMD
Dimensions (mm)	9 × 9 × 4	18 × 18 × 4	25 × 25 × 4
Matched Quectel Modules	GNSS L1 module series		

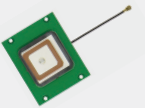
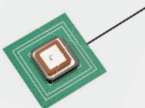
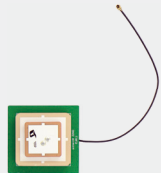
GNSS Antennas

Product	YAT001AA	YAT001BA	YBS00A1AA
			
Frequency Bands (MHz)	1176, 1575	1176, 1575	1176, 1575
Technology	GNSS L1 & L5 (active)	GNSS L1 & L5 (active)	GNSS L1 & L5 (active)
Cable Length (mm)	n/a	n/a	n/a
Connector Type	n/a	n/a	n/a
Mounting Type	Cable Mounting	Cable Mounting	Cable Mounting
Dimensions (mm)	25 × 25 × 4 & 18 × 18 × 4	25 × 25 × 2 & 18 × 18 × 2	40 × 40 × 4 & 45 × 45 × 6
Matched Quectel Modules	GNSS L1/L5 module series		





The parameters shall be subject to the Specification.

Quectel Antennas

GNSS Antennas

Product	YAT001CA	YG0030AA	YCG0014AA
			
Frequency Bands (MHz)	1176, 1575	1176, 1575	L5: 1166-1186 L1: 1559-1606
Technology	GNSS L1 & L5 (active)	GNSS L1 & L5 (passive)	GNSS L1 & L5 (passive)
Cable Length (mm)	40 ±2	100 ±2	142
Connector Type	IPEX I	IPEX I	IPEX I
Mounting Type	Cable Mounting	Cable Mounting	Cable Mounting
Dimensions (mm)	25 × 25 × 2 & 18 × 18 × 4	52 × 52 × 9.9	50 × 50 × 19.0
Matched Quectel Modules	GNSS L1/L5 module series		

GNSS Antennas

Product	YFGA001AA	YFGA002AA	YFGA003AA	YFGA004AA
				
Frequency Bands (MHz)	1160-1270, 1560-1605	1559-1609	1559-1609	1160-1270, 1560-1605
Technology	GNSS L1 & 2 & L5 & L6	GNSS L1	GNSS L1	GNSS L1 & 2 & L5 & L6
Cable Length (mm)	100	100	100	100
Connector Type	IPEX I	IPEX I	IPEX I	IPEX I
Mounting Type	Adhesive	Adhesive	Adhesive	Adhesive
Dimensions (mm)	74.56 × 24.5 × 0.25	61.15 × 11.24	39.45 × 13.25	43 × 24 × 0.12
Matched Quectel Modules	GNSS L1/L5 module series	GNSS L1 module series		GNSS L1/L5 modules




The parameters shall be subject to the Specification.

Quectel Antennas

GNSS Antennas

Product	YG0035AA	YLY001CA	YB0017AA	YG0028AA
				
Frequency Bands (MHz)	1561, 1575	1568 ±10	GPS L1/L5, BD B1/B2, GLONASS L1	1561-1602, 1166-1186
Technology	GNSS L1 & B1 & G1 (active)	GNSS L1 & B1 & G1 (active)	GNSS L1 & L5 (active)	GNSS L1 & L5 (active)
Cable Length (mm)	3000 ±20	2000	L = 3000	3000
Connector Type	SMA Male (center pin)	SMA Male (center pin)	SMA Male (center pin)	SMA Male (center pin)
Mounting Type	Magnetic	Magnetic	Magnetic	Magnetic
Dimensions (mm)	50.3 × 38.4 × 17.1	45.5 × 38 × 13.5	61.5 × 56.5 × 23	∅ 54 × 38
Matched Quectel Modules	GNSS L1 module series		GNSS L1/L5 module series	


GNSS Antennas

Product	YG0065AA	YEGT001AA	YEGT002AA	YG0063AA
				
Frequency Bands (MHz)	1575-1602	1559-1606	1559-1606	GPS L1/L2/L5; BDS B1/B2/B3; GLONASS L1/L2; Galileo E1/E5a/E5b/E6; L-band
Technology	GNSS L1 (active)	GNSS L1	GNSS L1	All GNSS bands + L-band Corrections
Cable Length (mm)	3000	n/a	n/a	n/a
Connector Type	FAKRA Female (Code C)	SMA Male (center pin)	SMA Male (center pin)	TNC Female
Mounting Type	Magnetic	Terminal	Terminal	Screw
Dimensions (mm)	34.5 × 37.5 × 12.5	50 × ∅10	52 × ∅10	∅ 165 × 68
Matched Quectel Modules	GNSS L1 modules	All GNSS L1 modules		All GNSS L1/L2/L5 modules







The parameters shall be subject to the Specification.

Quectel Antennas

Wi-Fi & Bluetooth Antennas

Product	YC0009AA	YC0010AA	YEW001AA
			
Frequency Bands (MHz)	2400-2500	2400-2500	2400-2500
Technology	Wi-Fi (Bluetooth)	Wi-Fi (Bluetooth)	Wi-Fi (Bluetooth)
Cable Length (mm)	n/a	n/a	1500
Connector Type	n/a	n/a	SMA Male (center pin)
Mounting Type	SMD	SMD	Magnetic
Dimensions (mm)	3.2 × 1.6 × 0.5	5.2 × 2.0 × 1.2	∅ 30 × 77.4
Matched Quectel Modules	FC30R		

Wi-Fi & Bluetooth Antennas

Product	YF0011AA	YF0026AA	YF0027AA	YF0029AA	YF0023AA	YF0023CA
						
Frequency Bands (MHz)	2400-2500, 5150-5850	2400-2500, 4900-5850, 5925-7125	2400-2500, 4900-5850, 5925-7125	2410-2490, 4920-5925	2400-2500, 5150-5850, 5925-7125	2400-2500, 5150-5850, 5925-7125
Technology	Wi-Fi (Bluetooth)	Wi-Fi (Bluetooth)	Wi-Fi (Bluetooth)	Wi-Fi (Bluetooth)	Wi-Fi (Bluetooth)	Wi-Fi (Bluetooth)
Cable Length (mm)	44 ±13	100 ±2	100 ±2	100 ±2	100±2	100±2
Connector Type	IPEX I (U.FL Generation I)	IPEX I (U.FL Generation I)	IPEX I (U.FL Generation I)	IPEX I (U.FL Generation I)	RF I Generation	RF I Generation
Mounting Type	Adhesive	Adhesive	Adhesive	Adhesive	Adhesive	Adhesive
Dimensions (mm)	38.9 × 9 × 0.12	28.9 × 11 × 0.2	42 × 7 × 0.2	30 × 30 × 0.25	22.90 × 11.70	37.80 × 7.50
Matched Quectel Modules	All Wi-Fi/BT modules (Except Wi-Fi 6E)	All Wi-Fi/BT modules		All Wi-Fi/BT modules (Except Wi-Fi 6E)	All Wi-Fi/BT modules	

The parameters shall be subject to the Specification.

Quectel Antennas

Wi-Fi & Bluetooth Antennas

Product	YE0031AA	YE0032AA	YE0038AA	YEW004AA	YEWN001AA
					
Frequency Bands (MHz)	2.4–2.5 GHz, 5.15–5.85 GHz	2.4–2.5 GHz, 5.15–5.85 GHz	2400–2500, 5150–5850	2400–2500, 5150–7150	2400–2500, 5150–5850
Technology	Wi-Fi (Bluetooth)	Wi-Fi (Bluetooth)	Wi-Fi (Bluetooth)	Wi-Fi 6E (Bluetooth)	Wi-Fi (Bluetooth)
Cable Length (mm)	n/a	n/a	n/a	n/a	n/a
Connector Type	SMA Male (center pin)	SMA Male (center pin)	SMA Male (center pin)	SMA Male (center pin)	RP-SMA Male (Center Receptacle)
Mounting Type	Terminal	Terminal	Terminal	Terminal	Terminal
Dimensions (mm)	52 ±2	50 ±2	195 × 13	109 × Ø 10	200 × 13
Matched Quectel Modules	All Wi-Fi/BT modules (Except Wi-Fi 6E)			All Wi-Fi/BT modules	All Wi-Fi/BT modules (Except Wi-Fi 6E)

Combo Antennas

Product	YB0007AA	YB0008AA	YB0009AA	YB0014AA
				
Frequency Bands (MHz)	700–960, 1710–2690, 3300–5000	4G MAIN: 698–960, 1710–2690; GNSS: 1575.42 ±5, 1561.098 ±5; 4G DIV: 1710–2690	4G: 824–960, 1710–2690; GPS, BD: 1575.42 ±10, 1561 ±10	LTE Main & Div: 698–960, 1700–2700; GNSS: 1561–1571; 1602–1606
Technology	5G	Main LTE & DIV LTE & GNSS	LTE & GNSS	Main LTE & DIV LTE & GNSS
Cable Length (mm)	500	300	310	3000
Connector Type	SMA Male (center pin)	SMA Male (center pin)	SMA Male (center pin)	SMA Male (center pin)
Mounting Type	Screw	Adhesive	Screw	Screw
Dimensions (mm)	Ø 120 × 43	Ø 84 × 17.5	33 × 48	81 × 27.5
Matched Quectel Modules	All 5G modules (RM50xQ Series, RG50xQ Series) & All 4G/3G/2G modules & GNSS L1 modules	All 4G/3G/2G modules & GNSS L1 modules		



The parameters shall be subject to the Specification.

Quectel Antennas

Combo Antennas

Product	YB0015AA	YKLO01AA	YB0032AA	YB0033AA	YB0022AA
					
Frequency Bands (MHz)	LTE: 698-960, 1700-2700; Wi-Fi, Bluetooth: 2400-2500; GNSS: 1561 ±5, 1575 ±5	Bluetooth: 2400-2500; 4G: 824-960; 1710-2690; GPS, BD: 1575.42 ±10, 1561 ±10	700-960, 1700-2700	LTE Main & Div: 700-960, 1700-2700; GNSS: 1559-1610 (active)	LTE Main & Div: 700-2700; Wi-Fi: 2400-5850; GNSS: 1561/1575.42/1602
Technology	LTE/GPS & BD/Wi-Fi	LTE/GPS & BD/Wi-Fi	Main LTE & DIV LTE	Main LTE & DIV LTE & GNSS	Main LTE & DIV LTE & GNSS & Wi-Fi1 & Wi-Fi2
Cable Length (mm)	300	310	2000	2000	1000
Connector Type	SMA Male (center pin)	SMA Male (center pin)	SMA Male (Center Pin)	SMA Male (Center Pin)	FME Female Connector
Mounting Type	Screw	Screw	Screw	Screw	Screw
Dimensions (mm)	54 × 91	33 × 48	∅ 120 × 43	∅ 120 × 43	∅ 120 × 43
Matched Quectel Modules	4G/3G/2G modules & GNSS L1 modules & Wi-Fi modules		All 4G/3G/2G modules	All 4G/3G/2G modules & GNSS L1 modules	4G/3G/2G modules & GNSS L1 modules & Wi-Fi, Bluetooth modules

Combo Antennas

Product	YB0031AA	YEMA003AA	YEMA004AA	YWLO0A0AA	YB0026AA	YEWN004AA
						
Frequency Bands (MHz)	LTE: 698-960; 1710-2690; GNSS: 1575.42 ±5, 1561.098 ±5	LTE: 700-2700 1561/1575.42/1602	4G: 698-960, 1710-2690 Wi-Fi & Bluetooth: 2400-2500	698-960, 1710-2690	LTE: 700-2700; Wi-Fi: 2400-5850; GNSS: 1561/1575.42/1602	2400-2500, 5150-5850
Technology	LTE & GNSS	LTE & GNSS	LTE & Wi-Fi	Main LTE & DIV LTE	LTE & GNSS & Wi-Fi1 & Wi-Fi2	Wi-Fi MIMO
Cable Length (mm)	300	3000	900	1500	1000	300
Connector Type	SMA Male (center pin)	4G: FAKRA D GNSS: FAKRA C	SMA Male (Center Pin)	SMA Male (Center Pin)	GNSS: FAKRA_C, LTE: FAKRA_D, Wi-Fi 1: FAKRA_I, Wi-Fi 2: FAKRA_I	SMA Male (Center Pin)
Mounting Type	Adhesive	Adhesive	Screw	Screw	Screw	Screw
Dimensions (mm)	∅ 84 × 17.5	∅ 84 × 17.5	∅ 81 × 14.5	∅ 81 × 27.5	∅ 120 × 43	∅ 46 × 15
Matched Quectel Modules	All 4G/3G/2G modules & GNSS L1 modules		All 4G/3G/2G modules & Wi-Fi modules	All 4G/3G/2G modules	All 4G/3G/2G modules & GNSS L1 modules & Wi-Fi, Bluetooth modules	Wi-Fi modules






The parameters shall be subject to the Specification.






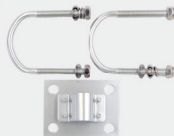
Quectel Antennas

ISM Antennas

Product	YE0019AA	YE0039BA	YEIM001AA
			
Frequency Bands (MHz)	450-470	430-470, 790-960	465-475
Technology	ISM	ISM	ISM
Cable Length (mm)	/	75	2000
Connector Type	SMA Male (center pin)	SMA Male (center pin)	SMA Male (center pin)
Mounting Type	Terminal	Adhesive	Magnetic
Dimensions (mm)	109 × 10	117 × 21.81 × 5.47	Φ 30 × 131

Cable Assemblies

Product	YM0003AA	YM0015AA	YM0003CA	YM0003AB	YM0013AA
					
Frequency Bands (MHz)	0-6000	0-6000	0-6000	0-6000	0-6000
Technology	Cable	Cable	Cable	Cable	Cable
Cable Length (mm)	100	150	200	200	300
Connector Type	SMA-female to IPEX I	SMA-female to IPEX I	SMA-female to IPEX I	RP-SMA-female to IPEX I	SMA-female to IPEX I
Mounting Type	Screw	Screw	Screw	Screw	Screw
Dimensions (mm)	100	150	200	200	300
Matched Quectel Modules	All modules (5G excluded)				

Product	YM0004AA	YM0005AA	YSAN001AA	YBY00A0HA	YBY00A0JA	YBY00A0IA
						
Frequency Bands (MHz)	0-6000	0-6000	0-6000	0-6000	0-6000	-
Technology	Cable	Cable	Cable	Cable	Cable	Bracket
Cable Length (mm)	100	150	300	200	250	-
Connector Type	SMA-female to IPEX IV	SMA-female to RF IV	SMA-female to RF IV	N-K-female to IPEX I	N-female to IPEX I	-
Mounting Type	Screw	Screw	Screw	Screw	Screw	-
Dimensions (mm)	100	150	300	200	250	-
Matched Quectel Modules	All 5G modules (RM50xQ Series, RG50xQ Series)			All modules (5G excluded)		All modules

The parameters shall be subject to the Specification.