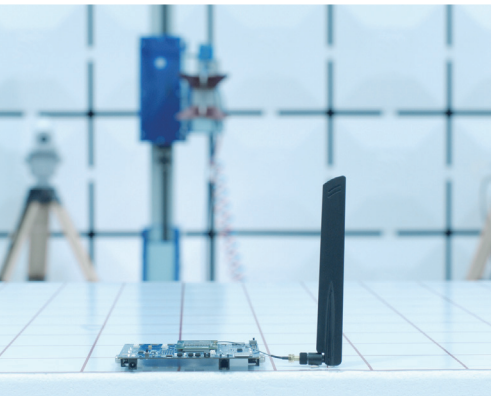
QUECTEL

Build a smarter world

Quectel antennas

Without an antenna it can't be wireless!





For more information contact us at

www.quectel.com

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Quectel antenna services

Consulting & evaluation

- Feasibility & architecture study
- Risk identification
- Initial proof of concept
- Antenna type selection

Design

- Antenna placement
- Layout design
- RF specification design
- Multi-antenna design & optimization
- Gerber file review

Testing & certification

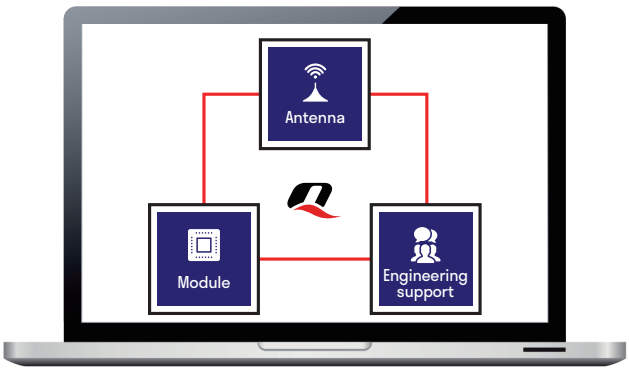
- Antenna OTA testing
- Interference mitigation
- Pre-OTA testing for CE/ FCC/ PTCRB

Manufacturing

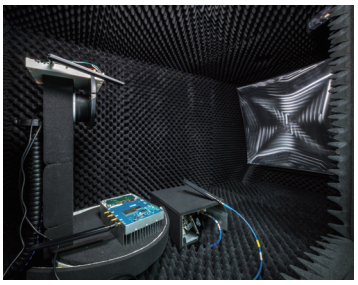
- Antenna samples
- Tooling & molding
- Assembly and production test
- Delivery

Quectel advantages

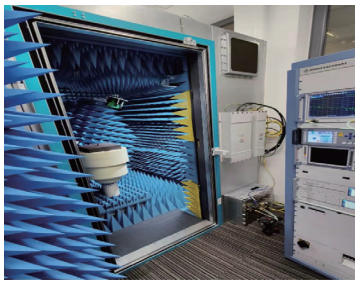
- Solutions for the entire wireless RF front end
- Complete RF antenna testing services
- Global one stop engineering support
- Vertical integration of antenna resources
- Approved for use with Quectel modules



Instruments



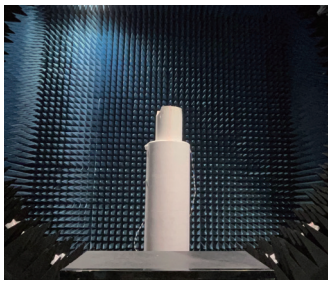
5G mmWave chamber



Rhode & Schwarz WPTC-XS



RayZone2800



ETS-AMS-8923-195

Quectel antennas

5G antennas

Product	YE0001BA	YECT004W1A	YECN009AA	YBY00A0KA	YECN001J1A	YECT005W1A	YE0028AA	YXH001AA	YECT000WBA
									
IP Level	/	IP67	/	IP65	IP67, IP69K, IK10	/	/	IP65	IP67, IP69K IK10
Compliant	RoHS and REACH	RoHS and REACH	RoHS and REACH	RoHS	RoHS and REACH	RoHS	RoHS	RoHS	RoHS and REACH
Frequency bands (MHz)	600–6000	600–6000	700–5000	700–5000	600–960, 1400–2690, 3300–6000	600–6000	700–2700, 3300–5000	700–960, 1710–2690, 3300–5000	600–960, 1400–2690, 3300–6000
Technology	5G	5G	5G	5G	5G	5G	5G	5G	5G
Cable length (mm)	/	/	/	/	/	/	1500	1000	/
Connector type	SMA male	SMA male	SMA male	N male	SMA male	SMA male	SMA male	SMA male	N Type
Mounting type	Terminal	Terminal	Terminal	Terminal	Screw	Terminal	Magnetic	Magnetic	Screw
Dimensions (mm)	221 × 27.30 × 13.45	135 × 15.6 × 13	200 × 21 × 8	Φ 29 × 300	40.6 × 104	135 × 15.6 × 13	234 × Φ 60	285 × 45	40.6 × 104
Matched Quectel modules	5G/4G/3G/2G/LPWA								

5G antennas

Product	YECN028AA	YECT028W1A	YPCS001AA	YPCS001AAEVB	YC0018CA	YC0018CAEVB
						
IP Level	IP66	IP66	/	/	/	/
Compliant	RoHS and REACH	RoHS and REACH	/	/	/	/
Frequency bands (MHz)	410–470, 617–960, 1427–6000	600–960, 1710–2690, 3300–6000	1427-5850	1427-5850	600–960; 1427–1707; 1710–2170; 2300–2700 3300–5000; 5100–6000	600–960; 1427–1707; 1710–2170; 2300–2700 3300–5000; 5100–6000
Technology	5G	5G	5G	5G	5G	5G
Cable length (mm)	/	/	/	/	/	/
Connector type	SMA male	SMA male	/	/	/	/
Mounting type	Terminal	Terminal	SMT	Screw	SMT	Screw
Dimensions (mm)	225 × 54.5 × 13	225 × 54.5 × 13	20 × 10 × 3	60 x 20 x 0.8	40 × 7 × 3	141 × 40.4 × 0.8
Matched Quectel modules	5G/4G/3G/2G/LPWA					

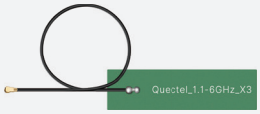
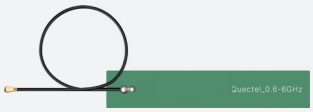
The parameters shall be subject to the specification.

Quectel antennas

5G antennas

Product	YFCA011AA	YFCA010AA	YPCA006AA	YF0017FA	YF0017GA	YF0020EA
						
Frequency bands (MHz)	600–960, 1520–6000	410–470; 700–960; 1400–6000	410–470; 700–960; 1400–6000	1500–6000	1100–6000	600–6000
Technology	5G	5G	5G	5G	5G	5G
Cable length (mm)	150	101	101	201	201	202
Connector type	IPEX MHF 1	IPEX I	IPEX I	IPEX IV	IPEX IV	IPEX IV
Mounting type	Adhesive	Adhesive	Adhesive	Adhesive	Adhesive	Adhesive
Dimensions (mm)	120 × 47	138.8 × 16.2	150 × 16.2 × 0.6	49 × 13	49 × 13	90.3 × 15.3
Matched Quectel modules	5G/4G/3G/2G/LPWA					

5G antennas

Product	YP0009NA	YP0009OA
		
Frequency bands (MHz)	1100–6000	600–6000
Technology	5G	5G
Cable length (mm)	203	202
Connector type	IPEX IV	IPEX IV
Mounting type	Adhesive	Adhesive
Dimensions (mm)	49 × 13 × 0.8	78.5 × 14.2 × 0.8
Matched Quectel modules	5G/4G/3G/2G/LPWA	

The parameters shall be subject to the specification.

Quectel antennas

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

Product	YC0002BA	YC0002BAEVB	YC0003BA	YC0003BAEVB
				
Frequency bands (MHz)	700–2690	700–2690	700-2690	700-2690
Technology	LTE (4G)	LTE (4G)	LTE (4G)	LTE (4G)
Cable length (mm)	/	/	/	/
Connector type	/	/	/	/
Mounting type	SMD	Screw	SMD	Screw
Dimensions (mm)	42 × 10 × 3	131 × 60 × 0.8	40 × 7 × 3	136.5 × 43 × 1
Matched Quectel modules	4G/3G/2G/LPWA			

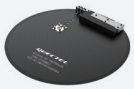
Cellular (4G/3G/2G) antennas

Product	YC0017DA	YC0017DAEVB	YC0017EA	YC0017EAEVB	YPCP001AA	YPCP001AAEVB
						
Frequency bands (MHz)	698–960, 1710–2690, 3300–3800	698–960, 1710–2690, 3300–3800	698–960, 1710–2690, 3300–3800	698–960, 1710–2690, 3300–3800	600-960, 1710-2690	600-960, 1710-2690
Technology	LTE (4G)	LTE (4G)	LTE (4G)	LTE (4G)	LTE (4G)	LTE (4G)
Cable length (mm)	/	/	/	/	/	/
Connector type	/	/	/	/	/	/
Mounting type	SMD	/	SMD	/	SMD	/
Dimensions (mm)	25 × 7 × 3	140 × 36 × 0.8	25 ×7 ×3	140 × 36 × 0.8	36 × 9 × 3	110 × 45.5 × 0.8
Matched Quectel modules	4G/3G/2G/LPWA					

The parameters shall be subject to the specification.

Quectel antennas

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

Product	YPCP003AA	YPCP003AAEVB	YPCP003BA	YMCP001AA	YMCP001AAEVBAA	YMCP001AAEVBBA	YMCP002AA	YMCP002AAEVB
								
Frequency bands (MHz)	698–960, 1695–2200 , 2300–2700	698–960, 1695–2200 , 2300–2700	698–960, 1695–2200, 2300–2700	698–960, 1710–2700	698–960, 1710–2700	698–960,1710–2700	600–960, 1710–2690	600–960, 1710–2690
Technology	LTE (4G)	LTE (4G)	LTE (4G)	LTE (4G)	LTE (4G)	LTE (4G)	LTE (4G)	LTE (4G)
Cable length (mm)	/	/	/	/	/	/	/	/
Connector type	/	/	/	/	/	/	/	/
Mounting type	SMD	/	SMD	SMD	Screw	Screw	SMD	/
Dimensions (mm)	28 × 8 × 3	130 × 36	28 × 8 × 3	43.19 × 12.73 × 8.15	145 × 75	Φ 85	40 × 7.23 × 7.6	135 × 43
Matched Quectel modules	4G/3G/2G/LPWA							

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

Product	YF0022DA	YF0007KA	YFCA002HA	YF0006PA	YF0028AA
					
Frequency bands (MHz)	700–960, 1710–2170, 2300–2690	600–960, 1427.9–1495.9, 1710–2170, 2300–2700	700–2690	690–2700	698–960, 1700–2700
Technology	LTE (4G)	LTE (4G)	LTE (4G)	LTE (4G)	LTE (4G)
Cable length (mm)	74.5	74.5	86.5	90	150
Connector type	IPEX 1	IPEX 1	IPEX 1	IPEX I	IPEX I
Mounting type	Adhesive	Adhesive	Adhesive	Adhesive	Adhesive
Dimensions (mm)	40 × 15 × 0.8	50 × 25 × 0.8	30 × 20	50 × 25	94 × 21
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
					
IP Level	/	/	/	IP66	IP66
Compliant	RoHS	RoHS	RoHS	RoHS	RoHS
Frequency bands (MHz)	600–2700	698–2700	824–2700	700–2700	700–960, 1560–1610, 1710–2700
Technology	LTE (4G)	LTE (4G)	LTE (4G)	LTE (4G)	LTE (4G)
Cable length (mm)	/	/	/	/	/
Connector type	SMA male	SMA male	SMA male	SMA male	SMA male
Mounting type	Terminal	Terminal	Terminal	Terminal	Terminal
Dimensions (mm)	196.2 × 16 × 13	113× Φ 10	190 × 16	194.3 ×15.95	144 × Φ 13
Matched Quectel modules	4G/3G/2G/LPWA				

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

Product	YE0013CA	YECT007AA	YE0008BA	YECW000N1A
				
IP Level	IP66	IP65	IP53	/
Compliant	RoHS	RoHS and REACH	RoHS and REACH	RoHS
Frequency bands (MHz)	698-2700	700–2690	700–960, 1710–2170	450–470, 700–960, 1710–2690
Technology	LTE (4G)	LTE (4G)	LTE (4G)	LTE (4G)
Cable length (mm)	/	/	/	2000
Connector type	SMA male	N-J	SMA male	SMA male
Mounting type	Terminal	Pole mount	Terminal	Screw
Dimensions (mm)	115.4 × Φ 10.2	Φ 20 × 300	53.5 × Φ 10.5	150 × 50 × 36.5
Matched Quectel modules	4G/3G/2G/LPWA			

The parameters shall be subject to the specification.

Quectel antennas

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

Product	YE0010AA	YB0010AA	YE0012AA	YE0006AA	YE0021KA	YECT003W1A
						
IP Level	IP66	IP66	IP53	IP65	IP65	IP65
Compliant	RoHS	RoHS	RoHS	RoHS	RoHS and REACH	RoHS and REACH
Frequency bands (MHz)	698–2700	698–2790	698–2700	700–960, 1710–2690	700–960, 1710–2700, 2300–2700	700–960, 1450-2690, 3300-3800
Technology	LTE (4G)	LTE (4G)	LTE (4G)	LTE (4G)	LTE (4G)	LTE (4G)
Cable length (mm)	1000	2000	250	1500	1500	/
Connector type	SMA male	SMA male	SMA male	SMA male	SMA male	SMA male
Mounting type	Adhesive	Magnetic	Adhesive	Magnetic	Magnetic	Terminal
Dimensions (mm)	152 × 18 × 5.9	Φ 84 × 81.5 × 15.5	116.5 × 21.7 × 5.6	318 × Φ 30	110 × Φ 30	12.4 × 50.8
Matched Quectel modules	4G/3G/2G/LPWA					

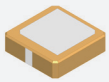
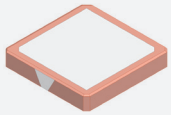
GNSS antennas

Product	YC0013AA	YC0013AAEVB	YPGS001AA	YPGS001AAEVB	YCGS010AA
					
Frequency bands (MHz)	1559-1606	1559-1606	1559–1609	1559–1609	1176.45–1278.75, 1575.42
Technology	GNSS L1 (passive)	GNSS L1 (passive)	GNSS L1 (passive)	GNSS L1 (passive)	GNSS L1 & L5 (passive)
Cable length (mm)	/	/	/	/	/
Connector type	/	/	/	/	/
Mounting type	SMD	/	SMD	/	SMD
Dimensions (mm)	3.2 × 1.2 × 0.6	90 × 50 × 1	7.0 x 5.8 x 0.8	80 × 35	5 × 3 × 0.5
Matched Quectel modules	GNSS L1 module series				GNSS L1/L5 module series

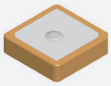
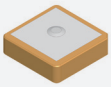
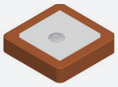
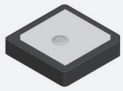
The parameters shall be subject to the specification.

Quectel antennas

GNSS antennas

Product	YFGC009WWA	YFGC009WWB	YFGC009WWC
			
Frequency bands (MHz)	1559–1606	1559-1606	1559–1586
Technology	GNSS L1	GNSS L1	GNSS L1
Cable length (mm)	/	/	/
Connector type	/	/	/
Mounting type	SMD	SMD	SMD
Dimensions (mm)	15 × 15 × 4	18 × 18 × 4	25 × 25 × 4
Matched Quectel modules	GNSS L1 modules series		

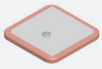
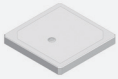
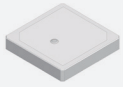
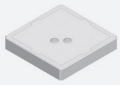
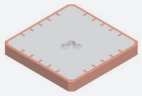
GNSS antennas

Product	YFGC010WWA	YFGC012WWA	YFGC012WWB	YFGC015WWA	YFGC015WWB	YFGC018WWA	YFGC020WWA	YPA00A0AA
								
Frequency bands (MHz)	1565–1586	1565–1586	1559–1586	1559-1606	1559–1606	1559–1606	1559–1606	Iridium (1616–1626.5)
Technology	GNSS L1	GNSS L1	GNSS L1	GNSS L1	GNSS L1	GNSS L1	GNSS L1	GNSS (passive)
Cable length (mm)	/	/	/	/	/	/	/	/
Connector type	/	/	/	/	/	/	/	/
Mounting type	Adhesive & soldering	Adhesive & soldering	Adhesive & soldering	Adhesive & soldering	Adhesive & soldering	Adhesive & soldering	Adhesive & soldering	Adhesive & soldering
Dimensions (mm)	10 × 10 × 4	12 × 12 × 4	12 × 12 × 4	15 × 15 × 4	15 × 15 × 4	18.4 × 18.4 × 4	20 × 20 × 4	25 × 25 × 4 (Ground plane: 90 × 140 × 0.8)
Matched Quectel modules	GNSS L1 module series							

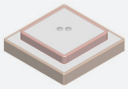
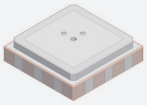
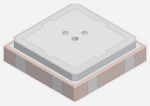
The parameters shall be subject to the specification.

Quectel antennas

GNSS antennas

Product	YFGC025WWA	YFGC025WWB	YFGC025WWC	YFGC025WWD	YFGC035WWA	YFGC035WWB	YFGC035WWC	YFGC040WWA
								
Frequency bands (MHz)	1559–1606	1559–1606	1559–1606	1559–1606	1559–1606	1559–1606	1559–1606	1559–1606
Technology	GNSS L1	GNSS L1	GNSS L1	GNSS L1	GNSS L1	GNSS L1	GNSS L1	GNSS L1
Cable length (mm)	/	/	/	/	/	/	/	/
Connector type	/	/	/	/	/	/	/	/
Mounting type	Adhesive & soldering	Adhesive & soldering	Adhesive & soldering	Adhesive & soldering	Adhesive & soldering	Adhesive & soldering	Adhesive & soldering	Adhesive & soldering
Dimensions (mm)	25 × 25 × 2	25 × 25 × 2 (pin offset)	25 × 25 × 4	25 × 25 × 4 (pin offset)	35 × 35 × 4	35 × 35 × 6	35 × 35 × 6	40 × 40 × 4
Matched Quectel modules	GNSS L1 module series							

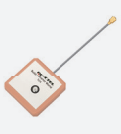
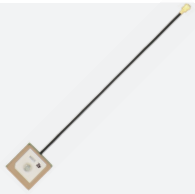
GNSS antennas

Product	YFGC225WWA	YFGC233WWA	YFGC235WWA	YFGC238WWA	YFGC245WWA	YFGC245WWB
						
Frequency bands (MHz)	1565–1586, 1164–1189	1559–1606, 1164–1189	1559–1606, 1164–1189	1559–1606, 1164–1189	1559–1606, 1164–1189	1559–1606, 1164–1189
Technology	GPS L1 & L5	GNSS L1 & L5	GNSS L1 & L5	GPS L1 & L5	GPS L1 & L5	GPS L1 & L5
Cable length (mm)	/	/	/	/	/	/
Connector type	/	/	/	/	/	/
Mounting type	Adhesive & soldering	Adhesive & soldering	Adhesive & soldering	Adhesive & soldering	Adhesive & soldering	Adhesive & soldering
Dimensions (mm)	25 × 25 × 4 + 18 × 18 × 4	33 × 33 × 4 + 25 × 25 × 4	35 × 35 × 6 + 28 × 28 × 4	38 × 38 × 6 + 28 × 28 × 4	45 × 45 × 6 + 40 × 40 × 4	45 × 45 × 8 + 40 × 40 × 4
Matched Quectel modules	GNSS L1 & L5 modules series					

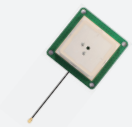
The parameters shall be subject to the specification.

Quectel antennas

GNSS antennas

Product	YCGO004AA	YCGO005AA	YCGO006AA	YG0015AA	YCGO008AA	YCGO009AA	YCGO010AA
							
Frequency bands (MHz)	1575.45 ±1.5	1575–1602	1559–1586	1575.42–1602	1575.45 ±1.5	1575–1602	1559–1586
Technology	GNSS L1 (passive)	GNSS L1 (passive)	GNSS L1 (passive)	GNSS L1 (active)	GNSS L1 (active)	GNSS L1 (active)	GNSS L1 (active)
Cable length (mm)	50	50	50	55	55	95	50
Connector type	IPEX MHF I	IPEX MHF I	IPEX MHF I	IPEX MHF I	IPEX MHF I	IPEX MHF I	IPEX MHF I
Mounting type	Buckle	Buckle	Buckle	Buckle	Buckle	Buckle	Buckle
Dimensions (mm)	10 × 10 × 6.3	15 × 15 × 6.2	18 × 18 × 6.3	25 × 25 × 7.76	10 × 10 × 6.3	15 × 15 × 6.2	18 × 18 × 6.3
Matched Quectel modules	GNSS L1 module series						

GNSS antennas

Product	YCGA014AA	YBS00A1AA	YG0030AA	YFGA003AA	YFGA005AA	YFGA006AA
						
Frequency bands (MHz)	GPS L5: 1176.45 GPS L1: 1575.42 GLONASS L1: 1602	1164–1189 1565–1606	1164–1189 1565–1586	1559–1609	1560–1605	1160–1270, 1560–1605
Technology	GNSS L1 & L5 (active)	GNSS L1 & L5 (active)	GNSS L1 & L5 (passive)	GNSS L1 (passive)	GNSS L1 (passive)	GNSS L1 & L2 & L5 & L6 (passive)
Cable length (mm)	100	60	60	100	100.5	143
Connector type	IPEX MHF I	IPEX MHF I	IPEX MHF I	RFI	IPEX I	IPEX I
Mounting type	Buckle	Buckle	Buckle	Adhesive	Adhesive	Adhesive
Dimensions (mm)	18 × 18 × 4 + 25 × 25 × 4	58.7 × 58.7 × 14	18 × 18 × 4 + 25 × 25 × 4	39.45 × 13.25	61.15 × 11.24	74.5 × 24.5
Matched Quectel modules	GNSS L1/L5 module series			GNSS L1 module series		GNSS L1/L5 module series

The parameters shall be subject to the specification.

Quectel antennas

GNSS antennas

Product	YEGB000Q1C	YEGB000Q1A	YEGB001Q1A	YEGN000Q1A	YEGN001Q1A	YETN001L1A
						
IP Level	IP 67	IP 67	IP 67	IP 67	IP 67	IP67, IK09
Compliant	RoHS and REACH	RoHS and REACH	RoHS and REACH	RoHS and REACH	RoHS and REACH	RoHS and REACH
Frequency bands (MHz)	1565–1606	1164–1189, 1559–1606	1164–1189, 1559–1606	1164–1189, 1559–1606	1164–1189, 1559–1606	GNSS L1: 1559–1606; L-Band: TX: 1626.5–1660.5, 1668–1675; RX: 1518–1559
Technology	GNSS L1 & B1 & G1 (active)	GNSS L1 & L5 (active)	GNSS L1 & L5 (active)	GNSS	GNSS	Satellite L-Band, GNSS L1 iridium antenna
Cable length (mm)	3000	3000	3000	3000	3000	524 ±24
Connector type	SMA male	SMA male	SMA male	SMA male	SMA male	SMA male
Mounting type	Magnetic and adhesive	Magnetic and adhesive	Magnetic and adhesive	Bracket	Bracket	Screw
Dimensions (mm)	46 × 36 × 15.8	60 × 56 × 22.6	55.2 × 48 × 20.5	62 × 56 × 23	55.2 × 48 × 20.5	106.15 × 87.21 × 26.5
Matched Quectel modules	GNSS L1 module series	GNSS L1/L5 module series				CC200A-LB and GNSS L1 module series

GNSS antennas

Product	YEGT000W8A	YG0063AA	YEGT001BA	YEGT002BA
				
IP Level	IP 67	IP65	IP53	IP53
Compliant	RoHS	RoHS	RoHS	RoHS and REACH
Frequency bands (MHz)	1164–1189, 1559–1606	GPS L1/L2/L5; BDS B1/B2/B3; GLONASS L1/L2; Galileo E1/E5a/E5b/E6; L-band	1561 ±5, 1575 ±5, 1602 ±5	1559–1606
Technology	Timing GNSS L1 & L5 (active)	GNSS full bands + L-band corrcections (active)	GNSS L1 (passive)	GNSS L1 (passive)
Cable length (mm)	/	/	/	/
Connector type	TNC-K	TNC-K	SMA male	SMA male
Mounting type	Screw	Thread	Terminal	Terminal
Dimensions (mm)	Φ 65 × 45	Φ 165 × 68.8	50 × 16.4	53.5 × Ø10.5
Matched Quectel modules	Timing L1/L5 module series	/	All GNSS L1 modules	

The parameters shall be subject to the specification.

Quectel antennas

Wi-Fi & Bluetooth antennas

Product	YC0009AA	YC0009AAEVB	YC0010AA	YC0010AAEVB	YXU00A0AA	YC0011AA	YFBC001WWA
							
Frequency bands (MHz)	2400–2500	2400–2500	2400–2500	2400–2500	2400–2500, 5150–7150	2400–2500, 5150–5850	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)	Wi-Fi (Bluetooth)
Cable length (mm)	/	/	/	/	/	/	/
Connector type	/	/	/	/	/	/	/
Mounting type	SMD	/	SMD	/	SMD	SMT	SMD
Dimensions (mm)	3.2 × 1.6 × 0.5	90 × 50	5.2 × 2.0 × 1.2	90 × 50	8.0 × 6.6 × 1.6	5 × 2 × 1	1.6 × 0.8 × 0.4
Matched Quectel modules	FC30R				All Wi-Fi/BT modules		

Wi-Fi & Bluetooth antennas

Product	YF0011KA	YF0011SA	YF0023FA	YF0023GA	YF0023HA	YF0023IA
						
Frequency bands (MHz)	2400–2500, 5150–5850	2400–2500, 5150–5850	2400–2500, 4900–5850, 5925–7125	2400–2500, 4900–5850, 5925–7125	2400–2500, 4900–5850, 5925–7125	2400–2500, 4900–5850, 5925–7125
Technology	Wi-Fi 6 (Bluetooth)	Wi-Fi 6 (Bluetooth)	Wi-Fi 6E (Bluetooth)	Wi-Fi 6E (Bluetooth)	Wi-Fi 6E (Bluetooth)	Wi-Fi 6E (Bluetooth)
Cable length (mm)	50.5	100	100	100	100	100
Connector type	IPEX 1	IPEX MHF 4L	IPEX MHF I	IPEX MHF IV	IPEX MHF I	IPEX MHF IV
Mounting type	Adhesive	Adhesive	Adhesive & soldering	Adhesive & soldering	Adhesive & soldering	Adhesive & soldering
Dimensions (mm)	38.9 × 9	38.9 ×9	37.80 × 7.50	37.80 × 7.50	22.90 × 11.70	22.90 × 11.70
Matched Quectel 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	YF0026AA	YF0026LA	YF0027AA	YF0027CA	YF0029AA	YF0029CA
						
Frequency bands (MHz)	2400–2500, 4900–5850, 5925–7125	2400–2500, 5150–5850, 5925–7125	2400–2500, 5150–5850, 5925–7125	2400–2500, 5150–5850, 5925–7125	2400–2500, 5150–5850, 5925–7125	2400–2500, 5150–5850, 5925–7125
Technology	Wi-Fi 6E (Bluetooth)	Wi-Fi 6E (Bluetooth)	Wi-Fi 6E (Bluetooth)	Wi-Fi 6E (Bluetooth)	Wi-Fi 6E (Bluetooth)	Wi-Fi 6E (Bluetooth)
Cable length (mm)	100	100	100	100	100	100
Connector type	IPEX MHF I	IPEX MHF IV	IPEX MHF I	IPEX MHF IV	IPEX MHF I	IPEX MHF IV
Mounting type	Adhesive	Adhesive & soldering	Adhesive	Adhesive	Adhesive	Adhesive
Dimensions (mm)	28.9 × 11	28.9 × 11	38 × 7	38 × 7	29.98 × 30.85	29.98 × 30.85
Matched Quectel modules	All Wi-Fi/BT modules					

Wi-Fi & Bluetooth antennas

Product	YE0031BA	YE0032BA	YEWN001AA	YEWT004AA	YEWN018AA	YEWM001AA
						
IP Level	IP53	IP53	/	/	/	IP53
Compliant	RoHS and REACH	RoHS and REACH	RoHS	RoHS	RoHS	RoHS
Frequency bands (MHz)	2400–2500, 5150–5850	2400–2500, 5150–5850	2400–2500, 5150–5850	2400–2500, 5150–7150	2400–2500, 5150–5850, 5925–7125	2400–2500
Technology	Wi-Fi 6 (Bluetooth)	Wi-Fi 6 (Bluetooth)	Wi-Fi 6 (Bluetooth)	Wi-Fi 6E (Bluetooth)	Wi-Fi	Wi-Fi (Bluetooth)
Cable length (mm)	/	/	/	/	/	1500
Connector type	SMA male	SMA elbow male	RP-SMA male	SMA male	SMA male	SMA male
Mounting type	Terminal	Terminal	Terminal	Terminal	Terminal	Magnetic
Dimensions (mm)	53.5 × Φ 10.5	50 × 16.7 × 10.5	200 × Φ 13	109 × Φ 10	Φ13 × 201	Φ 30 ×77.4
Matched Quectel modules	All Wi-Fi/BT modules (except Wi-Fi 6E)			Wi-Fi 4/5/6/6E modules		FC30R

The parameters shall be subject to the specification.

Quectel antennas

Combo antennas

Product	YEMN017AA	YEMN926J1A	YEMN016AA	YB0027AA	YEMA013AA
					
IP Level	IP67, IP69K	IP67, IP69K	IP67, IP69K	IP67, IP69K	IP67, IP69K
Compliant	/	RoHS and REACH	/	/	/
Frequency bands (MHz)	LMH: 600–960, 1400–6000; MH: 1400–6000; GNSS: 1164–1189, 1559–1606	LMH: 600–960, 1400–6000; MH: 1400–6000; GNSS: 1164–1189, 1559–1606	LMH: 600–960, 1400–6000; MH: 1400–6000; GNSS: 1164–1189, 1565–1606	LMH: 600–960, 1400–6000; MH:1400–6000; GNSS: 1164–1189, 1559–1606	LMH: 600–960, 1400–6000; MH: 1400–6000; GNSS: 1164–1189, 1559–1606
Technology	5G & GNSS	5G & GNSS	4 × 4 5G / 4G MIMO + GPS L1 & L5	5G & GNSS	5G & GNSS
Cable length (mm)	300	300	300	300	300
Connector type	SMA male	SMA male	SMA	SMA male	SMA male
Mounting type	Screw	Screw	Screw	Screw	Adhesive
Dimensions (mm)	Φ 103.5 × 42.5	Φ 167 × 57	204.4 × 86.7 × 32	Φ 162 ×56	264.6 × 161.2 × 30.6
Matched Quectel modules	All 5G/4G/3G/2G modules & GNSS L1 & L5 modules				

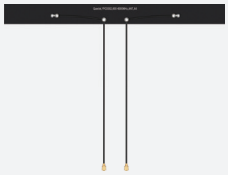
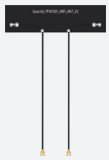
Combo antennas

Product	YEMN302Q1A	YB0031AA	YEMA003AA	YEMA300QXA	YB0015AA	YEWN004AA
						
IP Level	IP 67	IP66	IP66	IP67	IP66	IP66
Compliant	RoHS and REACH	RoHS	RoHS	RoHS and REACH	RoHS	RoHS
Frequency bands (MHz)	4G × 2: 700–960, 1710–2690; GNSS: 1565–1606	4G: 698–960, 1710–2690 GNSS: 1559–1592	4G MAIN: 700–960, 1710–2690 GNSS: 1575.42 ±5, 1561.098 ±5	4G: 700–960, 1700–2700; Wi-Fi: 2400–2500, 5150–5850; GNSS: 1559–1606	4G: 698–960, 1710–2690; Wi-Fi: 2400–2500; GNSS: 1556–1581	2400-2500, 5150-5850
Technology	LTE & GNSS	LTE & GNSS	LTE & GNSS	4G & Wi-Fi & GNSS	LTE/GPS & BD/Wi-Fi	Wi-Fi MIMO
Cable length (mm)	4G/4G DIV/GNSS: 1000	300	3000	1028 ±28	300	300
Connector type	SMA male	SMA male	4G: FAKRA D; GNSS: FAKRA C	SMA male & RP SMA male & SMA male	SMA male	SMA male
Mounting type	Screw	Adhesive	Adhesive	Adhesive	Screw	Screw
Dimensions (mm)	81.4 × 16.5	Φ 84 ×17.5	Φ 84 × 17.5	143.73 × 51.33 × 15	Φ54 × 91	Φ 46 ×15
Matched Quectel modules	Combo	All 4G/3G/2G modules & GNSS L1 modules		All 4G/3G/2G modules & GNSS L1 modules & Wi-Fi 6/BT modules (except Wi-Fi 6E)		All Wi-Fi/BT modules (except Wi-Fi 6E)

The parameters shall be subject to the specification.

Quectel antennas

Combo antennas

Product	YFCO002AA	YFWO001AA	YFMP200WWA
			
Frequency bands (MHz)	600-6000	2400-2500, 5150-7150	Wi-Fi: 2400–2500; GNSS: 1560–1580
Technology	4G & 5G	Wi-Fi/Bluetooth	Wi-Fi & GNSS
Cable length (mm)	150	100	/
Connector type	IPEX I	IPEX I	/
Mounting type	Adhesive	Adhesive	SMD
Dimensions (mm)	237 × 22	78.6 × 21.4	3.2 × 1.6 × 0.6
Matched Quectel modules	5G/4G/3G/2G/LPWA	All Wi-Fi/BT modules	Wi-Fi & GNSS 2-in-1

ISM antennas

Product	YE0019AA	YEIM001AA	YEIN002AA	YFOA004AA	YFNF915F3AM	YFNF868F3AM	YCIS001AA	YFNP017WWA
								
IP Level	/	/	/	/	/	/	/	/
Compliant	RoHS	RoHS and REACH	/	/	/	/	/	/
Frequency bands (MHz)	450–470	470-510	863–928	410–470	915	868	863–870	860–880, 900–930, 790–960
Technology	ISM	ISM	ISM	ISM	ISM	ISM	ISM	ISM
Cable length (mm)	/	2000	/	100	150	150	/	/
Connector type	SMA male	SMA male	SMA male	IPEX MHF 1	RF 1	RF 1	/	/
Mounting type	Terminal	Magnetic	Terminal	Adhesive	Adhesive	Adhesive	SMD	SMT
Dimensions (mm)	109 × Φ10	Φ 30 × 131	Ø 13 × 195	100 × 20	120.2 × 25	70 × 40	5.0 × 3.0 × 0.5	25 × 7 × 3

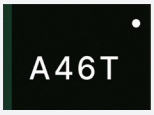
The parameters shall be subject to the specification.

Quectel antennas

ISM antennas

Product	YSIS001AA	YPCS002AA	YPCS002AAEVB	YPCS002BA	YPCS002BAEVB	YMCP003AA	YMCP003AAEVBAA	YMCP003AAEVBBA
								
Frequency bands (MHz)	433–435 (Compatible with B31 and B88)	791–960	791–960	791–960	791–960	790–960	790–960	790–960
Technology	ISM	ISM	ISM	ISM	ISM	ISM	ISM	ISM
Cable length (mm)	/	/	/	/	/	/	/	/
Connector type	/	/	/	/	/	/	/	/
Mounting type	SMD	SMD	/	SMD	/	SMD	/	/
Dimensions (mm)	29 × 7 × 7	20 × 11 × 1.6	115 × 35 × 0.8	20 × 11 × 1.6	115 × 35 × 0.8	40.99 × 6.68 × 3.99	120 × 45	Φ 80

Tuner

Product	YSOS001AA
	
Frequency bands (MHz)	≥ 0.1 GHz
Technology	Antenna tuner
Cable length (mm)	/
Connector type	/
Mounting type	SMD
Dimensions (mm)	1.1 x 1.5
Matched Quectel modules	Consult with Quectel for module information

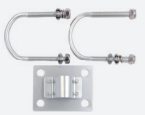
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Quectel antennas

Cable assemblies

Product	YM0003AA	YM0015AA	YM0003CA	YM0003AB	YM0013AA	YSAN025AA	YSAN026AA
							
Frequency bands (MHz)	DC-6000	DC-6000	DC-6000	DC-6000	DC-6000	DC-6000	DC-6000
Technology	Cable	Cable	Cable	Cable	Cable	Cable	Cable
Cable length (mm)	100	150	200	200	300	100/150/200/250/300	100/150/200/250/300
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	SMA female to IPEX I	RP SMA female to IPEX MHF I
Mounting type	Screw	Screw	Screw	Screw	Screw	Screw	Screw
Dimensions (mm)	1.13	1.13	1.13	1.13	1.13	1.13	1.13

Cable assemblies

Product	YSAN027AA	YSAN028AA	YSAN027FA	YSAN028FA	YSAO001AA	YSAO002AA	YBY00A0IA
							
Frequency bands (MHz)	DC-6000	DC-6000	DC-6000	DC-6000	DC-6000	DC-6000	/
Technology	Cable	Cable	Cable	Cable	Cable	Cable	Bracket
Cable length (mm)	150/200/250/300	100/150/200/250/300	150/200/250/300	100/150/200/250/300	100	100	/
Connector type	SMA Female to IPEX MHF 4L	RP SMA Female to IPEX MHF 4L	SMA female to IPEX IV	RP SMA Female to IPEX MHF 4L	IPEX MHF1	IPEX MHF1	/
Mounting type	Screw	Screw	Screw	Screw	Screw	Screw	/
Dimensions (mm)	1.13	1.13	1.13	1.13	1.13	1.13	80 × 60 × 86

The parameters shall be subject to the specification.

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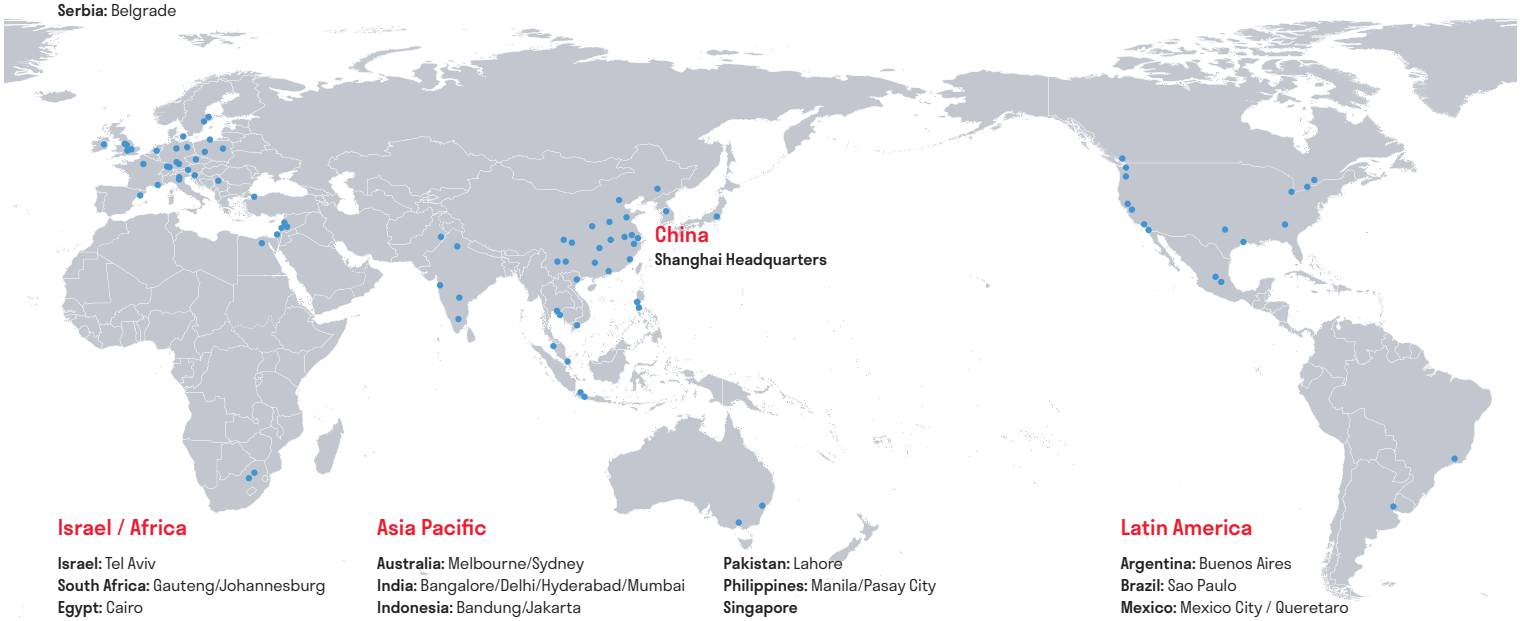
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