FORA GNSS ПРЕИМУЩЕСТВО ЛИДЕРА

ABOUT HARXON

Founded in 2008, Harxon Corporation is a subsidiary company of BDStar, the first company listed in China's satellite navigation industry. Harxon focus on the development and production of high precision GNSS antenna, vehicle antenna, wireless data radio and smart antenna, committed to providing high performance solutions for global partners in various applications including surveying and mapping, geodetic reference networks, UAVs, precision agriculture, autonomous vehicles, robots, construction and mining, timing applications, etc.

Harxon
a BDStar company

A Leading Brand of
GNSS Positioning Antenna Solution Provider

GNSS ANTENNA BROCHURE



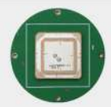
- *Smart Antenna*
- *Survey GNSS Antenna*
- *OEM GNSS Antenna*
- *Choke Ring Antenna*
- *Shaped Anti-Jamming GNSS Antenna*
- *Helix Antenna*
- *Ruggedized Antenna*
- *Vehicle Antenna*

Техническая поддержка
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SMART ANTENNA

Model	Frequency								GNSS Module	Positiong Accuracy			Peak Gain	LNA GAIN	Noise Figure	Power	RF CONNECTOR	MOUNTING	Physical		Image
	GPS	GLONASS	GALILEO	BeiDou	QZSS	IRNSS	SBAS	L-Band		Single Point	DGPS	RTK							Weight	Dimension	
NEW HX-ME403A	L1C/A, L2C, L2P(Y), L5	L1C/A, L2C, L2P(Y), L5	L1C/A, L2C, L2P(Y), L5	B1I/B2I/B3I/ B1C/B2a	L1C/A, L2C, L5		L1C/A		UM960	Horizontal: 1.5m Vertical: 2.5m	Horizontal: 0.4m Vertical: 0.8m	Horizontal: 0.8cm+1ppm Vertical: 1.5cm+1ppm	3dBi	23±2dB	⩽2dB	5V 500mW	GH1.25-6P	Screw Mount	⩽15g	Φ46*H19.2mm	
NEW HX-ME404A	L1C/A, L2C, L2P(Y), L5	L1C/A, L2C, L2P(Y), L5	L1C/A, L2C, L2P(Y), L5	B1I/B2I/B3I/ B1C/B2a	L1C/A, L2C, L5		L1C/A		UM980	Horizontal: 1.5m Vertical: 2.5m	Horizontal: 0.4m Vertical: 0.8m	Horizontal: 0.8cm+1ppm Vertical: 1.5cm+1ppm	3dBi	23±2dB	⩽2dB	5V 500mW	GH1.25-6P	Screw Mount	⩽15g	Φ46*H19.2mm	
NEW HX-MR402A	L1C/A, L2C, L2P(Y), L5	L1C/A, L2C, L2P(Y), L5	L1C/A, L2C, L2P(Y), L5	B1I/B2I/B3I/ B1C/B2a	L1C/A, L2C, L5		L1C/A		UM960	Horizontal: 1.5m Vertical: 2.5m	Horizontal: 0.4m Vertical: 0.8m	Horizontal: 0.8cm+1ppm Vertical: 1.5cm+1ppm	2.8dBi	23±2dB	⩽2dB	5V 500mW	GH1.25-6P	Screw Mount	⩽40g	Φ48*H38mm	 IP67
NEW HX-MR401A	L1C/A, L2C, L2P(Y), L5	L1C/A, L2C, L2P(Y), L5	L1C/A, L2C, L2P(Y), L5	B1I/B2I/B3I/ B1C/B2a	L1C/A, L2C, L2P(Y), L5		L1C/A		UM980	Horizontal: 1.5m Vertical: 2.5m	Horizontal: 0.4m Vertical: 0.8m	Horizontal: 0.8cm+1ppm Vertical: 1.5cm+1ppm	2.8dBi	23±2dB	⩽2dB	5V 500mW	GH1.25-6P	Screw Mount	⩽40g	Φ48*H38mm	 IP67
NEW HX-ME402A	L1C/A, L2C, L2P(Y), L5	L1C/A, L2C, L2P(Y), L5	L1C/A, L2C, L2P(Y), L5	B1I/B2I/B3I/ B1C/B2a	L1C/A, L2C, L5		L1C/A		UM960	Horizontal: 1.5m Vertical: 2.5m	Horizontal: 0.4m Vertical: 0.8m	Horizontal: 0.8cm+1ppm Vertical: 1.5cm+1ppm	4.0 dBi	23±2dB	⩽2dB	5V 500mW	HY-2.0-AWT-6	Screw Mount	⩽80g	Φ90*H24.4mm	
NEW HX-ME402A	L1C/A, L1C, L2C, L2P(Y), L5	G1/G2/G3	E1/E5a/E5b/E6	B1I/B2I/B3I/ B1C/B2a/B2b	L1C/A, L1C, L2C, L5		L1C/A	●	UM980	Horizontal: 1.5m Vertical: 2.5m	Horizontal: 0.4m Vertical: 0.8m	Horizontal: 0.8cm+1ppm Vertical: 1.5cm+1ppm	4.0 dBi	23±2dB	⩽2dB	5V 500mW	HY-2.0-AWT-6	Screw Mount	⩽80g	Φ90*H24.4mm	

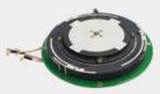
SHAPED ANTI-JAMMING GNSS ANTENNA

Model	Frequency								Band Inhibition	IP Rating	Peak Gain	LNA GAIN	Noise Figure	Power	RF CONNECTOR	MOUNTING	Physical		Image
	GPS	GLONASS	GALILEO	BeiDou	QZSS	IRNSS	SBAS	L-Band									Weight	Dimension	
NEW PT023	L1/L2/L5	L1/L2/L3	E1/E5/E6	B1/B2/B3	L1/L2/L5			1540M	60dB@1114MHz& 1665MHz	IP67	3dBi	35±2dB	⩽2dB	3.3-12V ⩽100mA	TNC-K	Screw Mount	190g	Φ101.1mm*H97mm	
NEW PT024	L1//L2			B1/B2b					80dB@50MHz		4dBi	35±2dB	⩽2dB	3.3-12V ⩽100mA	SMA-J	Screw Mount	49g	Φ68mm*H11.6mm	

SURVEY GNSS ANTENNA

Model	Frequency								IP Rating	Peak Gain	LNA GAIN	Noise Figure	Power	RF CONNECTOR	MOUNTING	Physical		Image
	GPS	GLONASS	GALILEO	BeiDou	QZSS	IRNSS	SBAS	L-Band								Weight	Dimension	
HX-CSX600A	L1/L2/L5	L1/L2/L3	E1/E5a/E5b/E6	B1I/B2I/B3I/B1C /B2a/B2b	L1/L2/L5/L6	L5	L1/L5	●	IP67	7dBi	L2:40±2dB L1:38±2dB	⩽2dB	3.3V-12V 45mA	TNC-K	Standard Survey Mount	⩽500g	Φ160*67.5mm	
HX-CSX633A	L1/L2/L5	L1/L2/L3	E1/E5a/E5b/E6	B1I/B2I/B3I/B1C /B2a/B2b	L1/L2/L5/L6	L5	L1/L5	●	IP67	5.5dBi	L2:40±2dB L1:38±2dB	⩽2dB	3.3V-12V 45mA	TNC-K	Standard Survey/ Magnetic/ Screw Mount	⩽500g	Φ152*57.7mm	
HX-CSX601A	L1/L2/L5	L1/L2/L3	E1/E5a/E5b/E6	B1I/B2I/B3I/B1C /B2a/B2b	L1/L2/L5/L6	L5	L1/L5	●	IP67	6dBi	40±2dB	⩽2dB	3.3V-12V 45mA	TNC-K	Standard Survey Mount	⩽500g	Φ173.4*62.6mm	
GPS1000	L1/L2/L5	L1/L2/L3	E1/E5a/E5b/E6	B1I/B2I/B3I/B1C /B2a/B2b	L1/L2/L5/L6	L5	L1/L5	●	IP67	5.5dBi	40±2dB	⩽2dB	3.3V-12V 45mA	TNC-K	Standard Survey Mount	⩽500g	Φ152*62.2mm	
GPS600	L1/L2	L1/L2	E1	B1I/B2I/B3I/B1C /B2a/B2b	L1/L2		L1	●	IP67	5.5dBi	40±2dB	⩽2dB	3.3V-12V 45mA	TNC-K	Standard Survey Mount	⩽500g	Φ152*62.2mm	
GPS500	L1/L2	L1/L2	E1	B1I/B2I/B3I/B1C /B2a/B2b	L1/L2		L1		IP67	5.5dBi	40±2dB	⩽2dB	3.3V-12V 45mA	TNC-K	Standard Survey Mount	⩽500g	Φ152*62.2mm	
HX-CS3607A	L1	L1	E1	B1	L1		L1		IP67	5.5dBi	40±2dB	⩽2dB	3.3V-12V 45mA	TNC-K	Standard Survey Mount	⩽400g	Φ152*62.2mm	

X-SURVEY OEM ANTENNA

Model	Frequency								Special Features	Peak Gain	LNA GAIN	Noise Figure	Power	RF CONNECTOR	MOUNTING	Physical		Image
	GPS	GLONASS	GALILEO	BeiDou	QZSS	IRNSS	SBAS	L-Band								Weight	Dimension	
HX-CSX137A	L1/L2/L5	L1/L2/L3	E1/E5a/E5b/E6	B1I/B2I/B3I/B1C /B2a/B2b	L1/L2/L5	L5	L1/L5	●	Dual 4G/5G 820-960MHZ 1710-2690MHZ WiFi/BT 2.4-2.28GHz 5725-5850GHz	4.5dBi	L2:40±2dB L1:38±2dB	⩽2dB	3.3V-12V 45mA	MCX-C-JW1.5	Screw Mount	150g	Φ111*23.8mm	
HX-CSX100A	L1/L2/L5	L1/L2/L3	E1/E5a/E5b/E6	B1I/B2I/B3I/B1C /B2a/B2b	L1/L2/L5	L5	L1/L5	●	Dual 4G/5G 820-960MHZ 1710-2690MHZ WiFi/BT 2.4-2.28GHz 5725-5850GHz	5dBi	L2:40±2dB L1:38±2dB	⩽2dB	3.3V-12V 45mA	MCX-C-JW1.5	Screw Mount	220g	Φ125*27.5mm	

OEM GNSS ANTENNA

IPMS ISO ISO OHSAS18000 CE FC RoHS REACH

Model	Frequency								Special Features	Peak Gain	LNA GAIN	Noise Figure	Power	RF CONNECTOR	MOUNTING	Physical		Image
	GPS	GLONASS	GALILEO	BeiDou	QZSS	IRNSS	SBAS	L-Band								Weight	Dimension	
NEW HX-SE401A	L1/L2/L5	L1/L2/L3	E1/E5a/E5b/E6	B1I/B2I/B3I/B1C /B2a/B2b	L1/L2/L5/L6	L5	L1/L5	●		4dBi	25±2dB	⩽2dB	3.3V-16V 45mA	MCX-C-JW	Screw Mount	⩽75g	Φ82*18.5mm	
NEW HX-SE402A	L1/L2/L5	L1/L2/L3	E1/E5a/E5b/E6	B1I/B2I/B3I/B1C /B2a/B2b	L1/L2/L5/L6	L5	L1/L5	●	Radio Frequency 858-878MHz	GNSS:5dBi 868M:0.5dBi	L2:40±2dB L1:38±2dB	⩽2dB	3.3V-12V 45mA	GNSS: MMCX-C-JW1.5 915M: IPEX I Male	Screw Mount	107.5g	Φ122*23.8mm	
NEW HX-SE403A	L1/L2/L5	L1/L2/L3	E1/E5a/E5b/E6	B1I/B2I/B3I/B1C /B2a/B2b	L1/L2/L5/L6	L5	L1/L5	●	Radio Frequency 902-928MHz	GNSS:5dBi 915M:0.5dBi	L2:40±2dB L1:38±2dB	⩽2dB	3.3V-12V 45mA	GNSS: MMCX-C-JW1.5 915M: IPEX I Male	Screw Mount	107.5g	Φ122*23.8mm	
HX-CSX231A	L1/L2/L5	L1/L2/L3	E1/E5a/E5b/E6	B1I/B2I/B3I/B1C /B2a/B2b	L1/L2/L5/L6	L5				4.5dBi	L1:28±2dB L5:30±2dB	⩽2dB	3.3V-12V 45mA	SMA-J	Screw Mount	⩽70g	Φ90*21.8mm	
HX-CSX231A (L1+L2)	L1/L2	L1/L2	E1/E5b	B1I/B2I/B1C/B2b						4.5dBi	L1:28±2dB L2:30±2dB	⩽2dB	3.3V-12V 45mA	SMA-J	Screw Mount	⩽70g	Φ90*21.8mm	
HX-CSX231A (L1+L5)	L1/L5	L1	E1/E5a	B1I/B2a/B1C						4.5dBi	L1:28±2dB L5:30±2dB	⩽2dB	3.3V-12V 45mA	SMA-J	Screw Mount	⩽70g	Φ90*21.8mm	
HX-CSX014A	L1/L2/L5	L1/L2/L3	E1/E5a/E5b/E6	B1I/B2I/B3I/B1C /B2a/B2b	L1/L2/L5/L6	L5	L1/L5	●		4dBi	33±2dB	⩽2dB	3.3V-12V 50mA	MMCX-JW	Screw Mount	⩽90g	64*64*13.4mm	
HX-CSX014A (L1+L2)	L1/L2	L1/L2/L3	E1/E5b	B1I/B1C/B2b						4dBi	33±2dB	⩽2dB	3.3V-12V 50mA	MMCX-JW	Screw Mount	⩽90g	64*64*13.4mm	
HX-CSX014A (L1+L5)	L1/L5	L1	E1/E5a	B1I/B1C/B2a						4dBi	33±2dB	⩽2dB	3.3V-12V 50mA	MMCX-JW	Screw Mount	⩽90g	64*64*13.4mm	
HX-CSX078A	L1/L2/L5	L1/L2/L3	E1/E5a/E5b/E6	B1I/B2I/B3I/B1C /B2a/B2b	L1/L2/L5/L6	L5	L1/L5	●		5.5dBi	40±2dB	⩽2dB	3.3V-12V 45mA	MCX-C-JW1.5	Screw Mount	⩽220g	Φ111*24.5mm	
HX-CSX048A	L1/L2/L5	L1/L2/L3	E1/E5a/E5b/E6	B1I/B2I/B3I/B1C /B2a/B2b	L1/L2/L5/L6	L5	L1/L5	●		5.5dBi	40±2dB	⩽2dB	3.3V-12V 45mA	MCX-C-JW1.5	Screw Mount	⩽220g	Φ152*25mm	
HX-CS7017A	L1/L2	L1/L2		B1I/B2I/B3I/B1C /B2a/B2b			L1/L5			5.5dBi	40±2dB	⩽2dB	3.3V-12V 45mA	MCX-C-JW1.5	Screw Mount	⩽200g	Φ122*17.5mm	
HX-CUX003A	L1/L2/L5	L1/L2/L3	E1/E5a/E5b/E6	B1I/B2I/B3I/B1C /B2a/B2b	L1/L2/L5/L6	L5	L1/L5	●		2.5dBi	36±2dB	⩽2dB	3.3V-12V 55mA	MMCX-JW	Screw Mount	⩽60g	Φ60*16.7mm	
HX-CU7001A	L1/L2	L1/L2	E1	B1I/B2I/B3I/B1C /B2a/B2b	L1/L2		L1			2.5dBi	36±2dB	⩽2dB	3.3V-12V 45mA	MMCX-JW	Screw Mount	⩽60g	Φ60*16.7mm	
HX-CH4013A	L1/L2	L1/L2								4dBi	40±2dB	⩽2dB	3V-3.3V 35mA	U.FL	Screw Mount	⩽90g	75*70*12.8mm	

HELIX ANTENNA

Model	Frequency								Special Features	IP Rating	Peak Gain	LNA GAIN	Noise Figure	Power	RF CONNECTOR	MOUNTING	Physical		Image
	GPS	GLONASS	GALILEO	BeiDou	QZSS	IRNSS	SBAS	L-Band									Weight	Dimension	
HX-CUX012A	L1/L2/L5	L1/L2/L3	E1/E5a/E5b/E6	B1I/B2I/B3I/ B1C/B2a/B2b	L1/L2/L5/L6	L5	L1/L5	●			3dBi	33±2dB	⩽2dB	3.3V-12V 40mA	IPEX I	Screw Mount	8g	Φ46*21.9mm	
HX-CUX615A	L1/L2/L5	L1/L2/L3	E1/E5a/E5b/E6	B1I/B2I/B3I/ B1C/B2a/B2b	L1/L2/L5/L6		L1/L5	●		IP67	3dBi	33±2dB	⩽2dB	3.3V-12V 35mA	SMA Male	Screw Mount	⩽45g	Φ50*33.2mm	
HX-CUX005A	L1/L2/L5	L1/L2/L3	E1/E5a/E5b	B1I/B2I/B3I/ B1C/B2a/B2b	L1/L2/L5/L6	L5	L1/L5	●	WiFi/BT 2.4GHz/5.8GHz		2.5dBi	33±2dB	⩽2dB	3.3V-5V 55mA	MCX-50KE	Customizable	⩽10g	Φ44*37mm	
HX-CUX618A	L1/L2/L5	L1/L2/L3	E1/E5a/E5b	B1I/B2I/B3I/ B1C/B2a/B2b				●	WiFi/BT 2.4GHz/5.8GHz /7.2GHz	IP67	2.8dBi	33±2dB	⩽2dB	3.3V-12V 55mA	IPEX I	Screw Mount	⩽30g	Φ43.6*40.8mm	
HX-CH7018A	L1/L2/L5	L1/L2	E1/E5a/E5b	B1I/B2I/B3I/ B1C/B2a/B2b	L1/L2/L5/L6	L5	L1/L5	●			2.8dBi	33±2dB	⩽2dB	3.3V-5V 55mA	IPEX Female	Screw Mount	⩽8g	Φ44*28mm	
HX-CH7609A	L1/L2/L5	L1/L2	E1/E5a/E5b	B1I/B2I/B3I/ B1C/B2a/B2b	L1/L2/L5/L6	L5	L1/L5	●		IP67	2.8dBi	33±2dB	⩽2dB	3.3V-5V 55mA	SMA Male	Screw Mount	⩽30.5g	Φ43.6*40.8mm	
HX-CU7005A	L1/L2/L5	L1/L2	E1/E5a/E5b	B1I/B2I/B3I/ B1C/B2a/B2b	L1/L2/L5/L6	L5	L1/L5	●			2.5dBi	33±2dB	⩽2dB	3.3V-12V 55mA	U.FL-LP-066J1-A	PCB Compression	10g	Φ30*34mm	
HX-CU7603A	L1/L2/L5	L1/L2	E1/E5a/E5b	B1I/B2I/B3I/ B1C/B2a/B2b	L1/L2/L5/L6	L5	L1/L5	●		IP67	2.5dBi	33±2dB	⩽2dB	3.3V-12V 55mA	SMA Male	Screw Mount	25g	Φ33*46mm	
HX-CH6017A	L1/L2	L1/L2	E1	B1/B2	L1/L2		L1				2.5dBi	33±2dB	⩽2dB	3.3V-12V 55mA	U.FL-LP-066J1-A	PCB Compression	7g	Φ23.8*46.8mm	
HX-CH6601A	L1/L2	L1/L2	E1	B1/B2	L1/L2		L1			IP67	2.5dBi	33±2dB	⩽2dB	3.3V-12V 55mA	SMA Male	Screw Mount	25g	Φ27.5*59mm	
HX-CHX600A	L1/L2/L5	L1/L2	E1/E5a/E5b/E6	B1I/B2I/B3I/ B1C/B2a/B2b	L1/L2/L5/L6	L5	L1/L5	●		IP67	4.2dBi	33±2dB	⩽2dB	3.3V-12V 55mA	SMA Male	Screw Mount	45g	Φ40*82.6mm	
HX-CH7603A	L1/L2	L1/L2	E1	B1I/B2I/B3I/ B1C/B2a/B2b	L1/L2		L1			IP67	4.2dBi	33±2dB	⩽2dB	3.3V-12V 55mA	SMA Male	Screw Mount	38g	Φ40*75.2mm	
HX-CH3602A	L1	L1	E1	B1	L1		L1			IP67	2.5dBi	33±2dB	⩽2dB	3.3V-12V 35mA	SMA Male	Customizable	25g	Φ28.5*59.2mm	
HX-CH4601A	L1/L2	L1/L2	E1		L1/L2		L1			IP67	2.5dBi	33±2dB	⩽2dB	3.3V-12V 55mA	SMA Male	Customizable	25g	Φ28.5*59.2mm	
HX-CHX602A	L1/L2/L5	L1/L2/L3	E1/E5a/E5b/E6	B1I/B2I/B3I/ B1C/B2a/B2b				●		IP67	2dBi	33±2dB	⩽2dB	3.3V-12V 55mA	SMA Male		95g	Φ25*107mm	

RUGGEDIZED ANTENNA

Model	Frequency								IP Rating	Peak Gain	LNA GAIN	Noise Figure	Power	RF CONNECTOR	MOUNTING	Physical		Image
	GPS	GLONASS	GALILEO	BeiDou	QZSS	IRNSS	SBAS	L-Band								Weight	Dimension	
HX-CVX606A	L1/L2/L5	L1/L2/L3	E1/E5a/E5b/E6	B1I/B2I/B3I/B1C /B2a/B2b	L1/L2/L5/L6	L5	L1/L5	●	IP67, IP69K	5.5dBi	40±2dB	⩽2dB	3.3V-18V 45mA	TNC Female	Standard Survey/ Magnetic/ Screw Mount	800g	Φ150*57.3mm	
HX-CVX600A	L1/L2/L5	L1/L2/L3	E1/E5a/E5b/E6	B1I/B2I/B3I/B1C /B2a/B2b	L1/L2/L5/L6	L5	L1/L5	●	IP67, IP69K	5.5dBi	40±2dB	⩽2dB	3.3V-18V 45mA	TNC Female	Standard Survey/ Screw Mount	600g	Φ150*53mm	
HX-CVX603A	L1/L2/L5	L1/L2/L3	E1/E5a/E5b/E6	B1I/B2I/B3I/B1C /B2a/B2b	L1/L2/L5/L6	L5	L1/L5	●	IP67	4.0dBi	40±2dB	⩽2dB	3.3V-16V 45mA	TNC Female	Screw Mount	250g	Φ90.6*26mm	

CHOKE RING ANTENNA

Model	Frequency								IP Rating	Peak Gain	LNA GAIN	Noise Figure	Power	RF CONNECTOR	MOUNTING	Physical		Image
	GPS	GLONASS	GALILEO	BeiDou	QZSS	IRNSS	SBAS	L-Band								Weight	Dimension	
HX-CGX611A	L1/L2/L5	L1/L2/L3	E1/E5a/E5b/E6	B1I/B2I/B3I/B1C /B2a/B2b	L1/L2/L5	L5	L1/L5	●	IP67	6.5dBi	50±2dB	⩽2dB	3.3V-12V 60mA	TNC Female	Standard Survey Mount	1.8kg	Φ185*148mm	
HX-CGX601A	L1/L2/L5	L1/L2/L3	E1/E5a/E5b/E6	B1I/B2I/B3I/B1C /B2a/B2b	L1/L2/L5	L5	L1/L5	●	IP67	7dBi	50±2dB	⩽2dB	3.3V-12V 60mA	TNC Female	Standard Survey Mount	10.5kg	Φ379*312mm	
HX-CGX606A	L1/L2/L5	L1/L2/L3	E1/E5a/E5b/E6	B1I/B2I/B3I/B1C /B2a/B2b	L1/L2/L5	L5	L1/L5	●	IP67	6dBi	50±2dB	⩽2dB	3.3V-12V 60mA	TNC Female	Standard Survey Mount	5.6kg	Φ322*261mm	
HX-CG7601A	L1	L1/L2/L3	E1	B1I/B2I/B3I/B1C /B2a/B2b	L1/L2		L1		IP67	6dBi	50±2dB	⩽2dB	3.3V-12V 60mA	TNC Female	Standard Survey Mount	5.6kg	Φ322*261mm	

VEHICLE ANTENNA

Model	Frequency								Special Features	IP Rating	Peak Gain	LNA GAIN	Noise Figure	Power	RF CONNECTOR	MOUNTING	Physical		Image
	GPS	GLONASS	GALILEO	BeiDou	QZSS	IRNSS	SBAS	L-Band									Weight	Dimension	
HX-AUST002	L1/L2/L5	L1/L2/L3	E1/E5a/E5b/E6	B1I/B2I/B3I/ B1C/B2a/B2b	L1/L2/L5/L6			●	5G 1/2 Antenna: 824-960M& 1710-2690M 3.3-3.6G&4.8-5G 5G 3/4 Antenna: 1710-2690M 3.3-3.6G&4.8-5G V2X 1/2: 5.85-5.925G	IP67	GNSS: 3.5dBi	38±2dB	⩽2dB	3.3V-12V 55mA	FAKRA-Z Female	Screw Mount	365g	160*85*68.2mm	
HX-AULT002	L1/L2/L5	L1/L2/L3	E1/E5a/E5b/E6	B1I/B2I/B3I/ B1C/B2a/B2b	L1/L2/L5/L6			●	5G 1/2/3/4 Antenna: 824-960M& 1710-2690M 3.3-3.6G&4.8-5G V2X 1/2: 5.85-5.925G	IP67	GNSS: 5dBi	38±2dB	⩽2dB	3.3V-12V 55mA	FAKRA-Z Female	Screw Mount	440g	Φ136*58mm	
HX-AULD078	L1/L2/L5	L1/L2/L3	E1/E5a/E5b	B1/B2	L1/L2/L5/L6			●		IP67	3dBi	33±2dB	⩽2dB	3V-12V 45mA	MCX Male/ FAKRA-Z Female	Magnetic/ Screw Mount	36g	Φ69*29.9mm	
HX-AULT006	L1/L2/L5	L1/L2/L3	E1/E5a/E5b/E6	B1I/B2I/B3I/ B1C/B2a/B2b	L1/L2/L5/L6			●		IP65	4.5dBi	40±2dB	⩽2dB	3.3V-12V 55mA	FAKRA-Z Female	Screw Mount	310g	95.3*95.3*34.5mm	
HX-AULT008	L1/L2/L5	L1/L2/L3	E1/E5a/E5b/E6	B1I/B2I/B3I/ B1C/B2a/B2b	L1/L2/L5/L6			●		IP65	4.5dBi	40±2dB	⩽2dB	3.3V-12V 55mA	FAKRA-Z Female	Glue Mount	300g	95.3*95.3*34.5mm	
HX-CVX608A	L1/L2/L5	L1/L2/L3	E1/E5a/E5b/E6	B1I/B2I/B3I/ B1C/B2a/B2b	L1/L2/L5/L6	L5	L1/L5	●		IP67	4dBi	33±2dB	⩽2dB	3V-12V 45mA	SMA Male	Screw Mount	160g	81*81*25mm	
HX-CVX608A (L1+L2)	L1/L2	L1/L2/L3	E1/E5b	B1I/B2I/B1C /B2b	L1/L2/L5/L6					IP67	4dBi	33±2dB	⩽2dB	3V-12V 45mA	SMA Male	Screw Mount	160g	81*81*25mm	
HX-CVX608A (L1+L5)	L1/L5	L1/L3	E1/E5a/E5b	B1I/B1C/B2a	L1/L2					IP67	4dBi	33±2dB	⩽2dB	3V-12V 45mA	SMA Male	Screw Mount	160g	81*81*25mm	

AVIATION ANTENNA

Model	Frequency								IP Rating	Peak Gain	LNA GAIN	Noise Figure	Power	RF CONNECTOR	MOUNTING	Physical		Image
	GPS	GLONASS	GALILEO	BeiDou	QZSS	IRNSS	SBAS	L-Band								Weight	Dimension	
HX-CAX601A	L1/L2/L5	L1/L2/L3	E1/E5a/E5b/E6	B1I/B2I/B3I/B1C /B2a/B2b	L1/L2/L5/L6	L5	L1/L5	●	IP67	4dBi	36±2dB	⩽2dB	3.3V-12V 45mA	TNC Female	Screw Mount	150g	Φ90*27.5mm	
HX-CA7607A	L1/L2	L1/L2	E1	B1I/B2I/B3I/B1C /B2a/B2b	L1/L2		L1		IP67	4dBi	36±2dB	⩽2dB	3.3V-12V 45mA	TNC Female	Screw Mount	150g	Φ90*27.5mm	
HX-CA7606A	L1/L2	L1/L2	E1	B1I/B2I/B3I/B1C /B2a/B2b	L1/L2		L1		IP67	4dBi	36±2dB	⩽2dB	3.3V-12V 45mA	TNC Female	Screw Mount	150g	115*71.8*41.9mm	
HX-CA3603A	L1	L1	E1	B1					IP67	4dBi	36±2dB	⩽2dB	3.3V-12V 45mA	SMA Female	Screw Mount	130g	Φ90*36.3mm	
HX-CA7603A	L1/L2	L1/L2	E1	B1I/B2I/B3I/B1C /B2a/B2b	L1/L2		L1		IP67	4dBi	36±2dB	⩽2dB	3.3V-12V 45mA	SMA Female	Screw Mount	150g	Φ90*27.5mm	

TIMING ANTENNA

Model	Frequency								IP Rating	Peak Gain	LNA GAIN	Noise Figure	Power	RF CONNECTOR	MOUNTING	Physical		Image
	GPS	GLONASS	GALILEO	BeiDou	QZSS	IRNSS	SBAS	L-Band								Weight	Dimension	
HX-CT3602A	L1	L1	E1	B1I/B1c	L1				IP67	3dBi	28±3dB	⩽3.5dB	2.7V-9V 9±3mA	TNC Female	Screw Mount	85g	Φ60*54mm	
HX-CT8602A	L1/L5	L1	E1/E5a	B1/B2a	L1/L5				IPX6	3dBi	31±4dB	⩽2.5dB	3V-5V 20-60mA	Type N Female	Bracket Pole Mount	375g	Φ110*105+6.5mm	
HX-CT4603A	L1	L1		B1	L1				IPX6	5.5dBi	40±2dB	⩽2.5dB	3V-5V 15±3mA	Type N Female	Bracket Pole Mount	375g	Φ110*105+6.5mm	

GEOBOX

FORA GNSS ПРЕИМУЩЕСТВО ЛИДЕРА

ABOUT HARXON

Founded in 2008, Harxon Corporation is a subsidiary company of BDStar, the first company listed in China's satellite navigation industry. Harxon focus on the development and production of high precision GNSS antenna, vehicle antenna, wireless data radio and smart antenna, committed to providing high performance solutions for global partners in various applications including surveying and mapping, geodetic reference networks, UAVs, precision agriculture, autonomous vehicles, robots, construction and mining, timing applications, etc.

Harxon
a BDStar company

A Leading Brand of
GNSS Positioning Antenna Solution Provider

SMART ANTENNA BROCHURE

- *Smart Antenna Rover*
- *Smart Antenna Base*



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MODEL		TS122 EUAA	TS122 EUUB	TS112 PRO XXNA	TS112 XXUA	TS112 XXAA	TS112 SE XXAA	TS112 SE XXUA	TS100 SERIES BASE
Image									
Signal Tracking	GPS	L1/L2/L5	L1 C/A	L1/L2/L5	L1C/A L2C	L1/ L2/L5	L1/ L2/L5	L1C/A L2C	L1/L2/L5
	GLONASS	L1/L2	L1OF	L1/L2	L1OF L2OF	L1/ L2	L1/ L2	L1OF L2OF	L1/L2
	GALILEO	E1/ E5a/E5b	E1 B/C	E1/E5a2/E5b/AltBOC	E1B/C E5b	E1/ E5a/E5b	E1/ E5a/E5b	E1B/C E5b	E1/E5a/E5b
	BDS	B1I /B2I/B3I/B1C/B2A	B1I	B1/B2	B1/B2	B1I /B2I/B3I/B1C/B2A	B1I /B2I/B3I/B1C/B2A	B1/B2	B1/B2/B3
	SBAS		L1C/A	WAAS/EGNOS/MSAS/GAGAN	L1C/A			L1C/A	
	QZSS	L1/ L2/L5	L1 C/A/S	L1/L1C/L2C/L5	L1C/A/L1S/L2C	L1/ L2/L5	L1/ L2/L5	L1C/A/L1S/L2C	L1/ L2/L5
	L-Band			●					
Horizontal Position Accuracy (RMS)	Single Point	1.5m	2m	1.2m	1.5m	1.5m	1.5m	1.5m	1.5m
	SBAS		1.2m	0.6m	1m			1m	
	DGPS			0.4m	0.4m	0.4m	0.4m	0.4m	
	TerraStar-L			0.4m					
	TerraStar-C			4cm					
	RTK			1cm+1ppm	2cm+1ppm	2cm+1ppm			
	Pass to Pass Accuracy (RMS)	15cm	30cm	RTK: 2cm	RTK: 2cm	RTK: 2cm	15cm	30cm	
	Pass to Pass Accuracy (95%)			L1/L2 GLIDE Single Point: 30cm TerraStar-L: 15cm TerraStar-C PRO: 2cm	L1/L2 Single Point: 0.7m	L1/L2 STANDALONE Single Point: 35cm	L1/L2 STANDALONE Single Point: 35cm	L1/L2 Single Point: 0.7m	
Solutions	Heading			●					
	Terrain Compensation	●	●	●	●	●	●	●	
	GLIDE			●					
	SLIDE	●	●		●	●	●	●	
	STEADYLINE			●					
	STANDALONE	●				●	●		
Correction Data Link	SBAS		●	●	●			●	
	LTE			●	●	●			
	Radio			●	●	●			●
	L-Band			●					
	Bluetooth			●	●	●			●
Communication Ports	RS-232	2	2	2	2	2	2	2	2
	CAN			1	1	1			
	PPS			1	1	1	1	1	
	Ground Speed Out			1	1	1	1	1	
	Bluetooth	1	1	1	1	1	1	1	1
	LTE			1	1	1			
	Radio			1	1	1			1
Physical and Electrical	Dimension (mm)	ϕ152*57.7	ϕ152*57.7	210*155*80	210*155*80	210*155*80	210*155*80	210*155*80	ϕ160*80
	Weight	500g	500g	1000g	1000g	1000g	1000g	1000g	950g
	Connector	M12 8Pin	M12 8Pin	14Pin Tyco Ampseal	14Pin Tyco Ampseal	14Pin Tyco Ampseal	14Pin Tyco Ampseal	14Pin Tyco Ampseal	10Pin Female
	Mounting	Standard Survey/Magnetic /Screw Mount	Standard Survey/Magnetic /Screw Mount	Magnetic/Screw Mount	Magnetic/Screw Mount	Magnetic/Screw Mount	Magnetic/Screw Mount	Magnetic/Screw Mount	Standard Survey/Magnetic /Screw Mount
	Maximum Data Rate	10Hz	10Hz	20Hz	10Hz	10Hz	10Hz	10Hz	10Hz
	Input Voltage Range	9V-36V	9V-36V	9V-36V	9V-36V	9V-36V	9V-36V	9V-36V	9V-30V
	Power Consumption	3.5W (Typical)	0.8W (Typical)	3.5W (Typical)	2.5W (Typical)	3.5W (Typical)	3W (Typical)	2W (Typical)	8.5W (Typical)
	Compliance	CE/RoHS		CE/RoHS	CE/RoHS	CE/RoHS	CE/RoHS	CE/RoHS	CE/RoHS