

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.

**A Leading Brand of
GNSS Positioning Antenna Solution Provider**

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2023
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WIRELESS DATA RADIO BROCHURE

- *UHF Radio*
- *Radio Modem*



SERIES	RADIO MODEM					UHF RADIO					
MODEL	HX-DU1021D	HX-DU2017D-900	HX-DU2005D	HX-DU1012R	HX-DU1018D	HX-DU8616D Pro	HX-DU8616D	HX-DU8616D SE	HX-DU1603D	HX-DU1603D SE	HX-DU1601D
IMAGE											
FREQUENCY	863-870MHz; 902-928MHz	902-928MHz	410-470MHz	410-470MHz	410-470MHz	410-470MHz	410-470MHz	410-470MHz	410-470MHz	410-470MHz	410-470MHz
CHANEL BANDWIDTH	250KHz	180KHz/150KHz	25KHz	12.5KHz/25KHz	12.5KHz/25KHz	12.5KHz/25KHz	12.5KHz/25KHz	12.5KHz/25KHz	12.5KHz/25KHz	12.5KHz/25KHz	12.5KHz/25KHz
OPERATION MODE	Half-Duplex	Duplex	Half-Duplex	Receiver Only	Half-Duplex	Half-Duplex	Half-Duplex	Transmitter Only	Half-Duplex	Half-Duplex	Half-Duplex
CHANNELS	50	-	1	1	64	200	32	32	36	36	8
SENSITIVITY	<-123dBm@BER 10 ⁻⁵ , 19200bps	<-112dBm@BER 10 ⁻⁵ , 19200bps <-107dBm@BER 10 ⁻⁵ , 115200bps	<-115dBm@BER 10 ⁻⁵ , 9600bps	<-112dBm@BER 10 ⁻⁵ , 9600bps	<-115dBm@BER 10 ⁻⁵ , 9600bps	<-114dBm@BER 10 ⁻⁵ , 9600bps	<-114dBm@BER 10 ⁻⁵ , 9600bps	<-114dBm@BER 10 ⁻⁵ , 9600bps	<-115dBm@BER 10 ⁻⁵ , 9600bps	<-115dBm@BER 10 ⁻⁵ , 9600bps	<-115dBm@BER 10 ⁻⁵ , 9600bps
DATA RATE	11000bps	19200bps/38400bps/ 57600bps/115200bps/ 172800bps/230000bps	4800bps/9600bps /19200bps	4800bps/9600bps/ 19200bps	4800bps/9600bps/ 19200bps	4800bps/9600bps/ 19200bps	4800bps/9600bps/ 19200bps	4800bps/9600bps/ 19200bps	4800bps/9600bps/ 19200bps	4800bps/9600bps/ 19200bps	4800bps/9600bps/ 19200bps
SERIAL BAUD RATE	9600bps/19200bps/ 38400bps/115200bps	9600bps/19200bps/ 38400bps/57600bps/ 115200bps	9600bps/19200bps/ 38400bps/115200bps	9600bps/19200bps/ 38400bps/57600bps/ 115200bps	9600bps/19200bps/ 38400bps/57600bps/ 115200bps	9600bps/19200bps/ 38400bps/57600bps/ 115200bps	9600bps/19200bps/ 38400bps/57600bps/ 115200bps	9600bps/19200bps/ 38400bps/57600bps/ 115200bps	9600bps/19200bps/ 38400bps/115200bps	9600bps/19200bps/ 38400bps/115200bps	9600bps/19200bps/ 38400bps/115200bps
INTERFACE	UART (TTL)	UART (TTL)	UART (TTL)	UART (TTL)	UART (TTL)	RS-232	RS-232	RS-232	RS-232	RS-232	RS-232
OPERATING VOLTAGE	3.3V-5.5V	3.3V	5V	5V	3.3V	9V-16V	9V-16V	9V-16V	9V-36V	9V-36V	9V-20V
HIGH OUTPUT POWER	100mW@DC 3.3V	1W@DC 3.3V	2W@DC 5V	-	1W@DC 3.3V	35W@DC 12V	35W@DC 12V	28W@DC 12V	2W@ DC 7.26V	2W@ DC 12V	1W@ DC 12V
LOW OUTPUT POWER	25mW@DC3.3V	0.5W@DC 3.3V	0.5W@DC 5V	-	0.5W@DC 3.3V	5W@DC 12V	5W@DC 12V	5W@DC 12V	0.5W@ DC 7.26V	0.5W@ DC 12V	0.5W@ DC 12V
DIMENSION (MM)	17.5*14*3.2	35*26.5*3.5	76*46*11	57*36*8	33*26.5*3.5	175*130*86.5	175*130*86.5	175*130*86.5	147.6*83*31.5	147.6*83*31.5	143.6*76*44
WEIGHT	2g	7g	58g	22g	6g	2kg	2kg	2kg	560g	410g	340g
OPERATING TEMPERATURE	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C	-40°C to +65°C	-40°C to +65°C	-30°C to +65°C	-30°C to +65°C	-40°C to +70°C
PROTOCOLS	-	-	TRIMTALK™/TRIMMARK™ 3/Transparent-EOT/SATEL®	TRIMTALK™/TRIMMARK™ 3/Transparent-EOT/SATEL®	TRIMTALK™/TRIMMARK™ 3/Transparent-EOT/SATEL®	TRIMTALK™/TRIMMARK™ 3/Transparent-EOT/SATEL®	TRIMTALK™/TRIMMARK™ 3/Transparent-EOT/SATEL®	TRIMTALK™/TRIMMARK™ 3/Transparent-EOT/SATEL®	TRIMTALK™/TRIMMARK™ 3/Transparent-EOT/SATEL®	TRIMTALK™/TRIMMARK™ 3/Transparent-EOT/SATEL®	TRIMTALK™/TRIMMARK™ 3/Transparent-EOT/SATEL®
COMPLIANCE	CE/FCC	CE/FCC	-	-	CE	CE/FCC	CE	CE	CE	-	-