

ABOUT HARXON:

Founded in 2008 and located in Shenzhen, China, Harxon is a customer focused company carrying out innovative research, development and manufacturing in the fields of high performance and high precision GNSS antennas and ultra-reliable wireless data transmission radio modems.

Harxon antennas and radio modems are widely used in UAVs, surveying and precision agriculture where reliable and real-time GNSS data is needed.

Harxon OEM products come in different designs for applications that require ease of integration and robustness in challenging environments. System integrators benefit from our technology that is customizable to fit their specific business requirements and shorten the development cycle. Whatever the application, great Harxon products empower our customers to develop their unparalleled solutions.



Wireless Data Link Radio Modems

HARXON CORPORATION en.harxon.com

9/F, Block B, Building D3,
TCL International E City,
NO.1001 Zhongshanyuan Road,
Nanshan District, Shenzhen, China

Contact

Tel: +86 -755-26989948
Fax: +86 -755-26989994
E-mail: sales@harxon.com



▶ Harxon Wireless Data Link Radio Modems

	HX-DU2017D	HX-DU2017D-800	HX-DU2017D-900	HX-DU1018D	HX-DU1006D	HX-DU2003D	HX-DU2004D	HX-DU2005D	eRadio™ HX-DU8616D	HX-DU8602T	HX-DU8608D	HX-DU1601D	HX-DU1603D	HX-DU2601D	
Frequency	902-928MHz (Hopping)	865-867MHz	907.5-915MHz	410-470MHz	410-470MHz	410-470MHz	410-470MHz	410-470MHz	410-470MHz	410-470MHz	410-470MHz	410-470MHz	410-470MHz	410-470MHz	410-470MHz/902-928MHz
Chanel Bandwidth	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	12.5KHz/25KHz	12.5KHz/25KHz	12.5KHz/25KHz	12.5KHz/25KHz	12.5KHz/25KHz	200KHz/12.5KHz/25KHz
Operation Mode	Duplex	Half-Duplex	Half-Duplex	Half-Duplex	Half-Duplex	Half-Duplex	Half-Duplex	Half-Duplex	Half-Duplex	Simplex	Half-Duplex	Half-Duplex	Half-Duplex	Half-Duplex	Half-Duplex/Duplex
Channels	—	64	64	64	1	1	1	1	200	8	8	8	36	—	
Sensitivity	< -110dBm@BER 10-4, 19200bps/ < -107dBm@BER 10-4, 115200bps	< -113dBm@BER 10-4, 9600bps	< -113dBm@BER 10-4, 9600bps	< -115dBm@BER 10-4, 9600bps	< -115dBm@BER 10-4, 9600bps	< -115dBm@BER 10-4, 9600bps	< -115dBm@BER 10-4, 9600bps	< -115dBm@BER 10-4, 9600bps	< -114dBm@BER 10-4, 9600bps	—	< -114dBm@BER 10-4, 9600bps	< -115dBm@BER 10-4, 9600bps	< -115dBm@BER 10-4, 9600bps	< -113dBm@BER 10-4, 9600bps/ < -107dBm@BER 10-4, 115200bps	
Data Rate	19200bps/38400bps/ 57600bps/115200bps/ 172800bps/230000bps	9600bps/19200bps	9600bps/19200bps	9600bps/19200bps	9600bps/19200bps	9600bps/19200bps	9600bps/19200bps	9600bps/19200bps	4800bps/9600bps/ 19200bps	9600bps/19200bps	9600bps/19200bps	9600bps/19200bps	4800bps/9600bps/ 19200bps	19200bps/38400bps/ 57600bps/115200bps/ 172800bps/230000bps	
Serial Baud Rate	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/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/57600bps/ 115200bps	9600bps/19200bps/ 38400bps/57600bps/ 115200bps	9600bps/19200bps/ 38400bps/57600bps/ 115200bps	9600bps/19200bps/ 38400bps/57600bps/ 115200bps	9600bps/19200bps/ 38400bps/57600bps/ 115200bps
Interface Level	TTL 3.3V	TTL 3.3V	TTL 3.3V	TTL 3.3V	TTL 3.3V	TTL 3.3V	RS-232/TTL 3.3V	TTL 3.3V	RS-232	RS-232	RS-232	RS-232	RS-232	RS-232	RS-232/TTL 3.3V
Operating Voltage	3.3V	3.3V	3.3V	3.3V	3.3V	5V	5V	5V	9-16V	9-16V	9-16V	9-16V	9V	6-25V	
High Output Power	1W@DC 3.3V	1W@DC 3.3V	1W@DC 3.3V	1W@DC 3.3V	1W@DC 3.3V	2W@DC 5V	2W@DC 5V	2W@DC 5V	35W@DC 12V	25W@DC 12V	35W@DC 12V	1W@ DC 12V	2W@ DC 7.5V	1W@DC 12V	
Low Output Power	0.5W@DC 3.3V	0.5W@DC 3.3V	0.5W@DC 3.3V	0.5W@DC 3.3V	0.5W@DC 3.3V	0.5W@DC 5V	0.5W@DC 5V	0.5W@DC 5V	5W@DC 12V	5W@DC 12V	5W@DC 12V	0.5W@DC 12V	0.5W@ DC 7.5V	0.5W@DC 12V	
Dimension(mm)	35×26.5×3.5	35×26.5×3.5	35×26.5×3.5	33×26.5×3.5	70×47×11	70×47×11	82.5×47×11	76×46×11	175×130×86.5	186×140×65	186×140×73	148×76×30	150×83×31	63×45×15	
Weight	≤7g	≤7g	≤7g	≤6g	≤40g	≤42g	≤50g	≤58g	≤2kg	≤1.5kg	≤1.7kg	≤350g	≤560g	≤50.5g	
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 +70°C	-40°C to +70°C	-40°C to +65°C	-30°C to +60°C	-30°C to +60°C	-30°C to +60°C	-30°C to +60°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®	ETALK™/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, FCC	CE, FCC	CE, FCC	—	CE, FCC	CE, FCC	

ROBUST, HIGH PERFORMANCE

Harxon radio modems offer compact and flexible solutions for different long-range applications. The industrial leading frequency hopping modems provide strong anti-jamming capability for secure data transmission. And the IP67 housing of external radio modems ensure the functionality even under extremely harsh environmental conditions.

RELIABLE TECHNOLOGY

Harxon radio modems are easy and fast to implement and use with low power consumption. The solutions we offer are customizable, flexible and secure. The radio technology is typically for mission-critical applications where reliability and latency of the data transmission are required to operating systems.

CUSTOMIZED

Harxon has provided a range of OEM radio modems for system manufacturers to integrate into their own solutions. They are widely compatible and support other key manufacturers' radio protocols.