



Features

- **60MHz Bandwidth Coverage 410-470 MHz bands**
Advanced data link design for high performance over entire band
- **High Air Link Rate**
19200bps(GMSK)
- **Software-Derived Channel Bandwidth**
Compatible with both 12.5 and 25 kHz radios
- **High Environmental Capabilities**
Wide temperature specifications
High vibration tolerance
- **Compact Structural**
Size: 57×36×8mm
- **Low power consumption**

OEM Modem HX-DU1012R

Harxon radio modems provide reliable data communications for mission-critical applications where a combination of stability, supreme performance and long range are required.

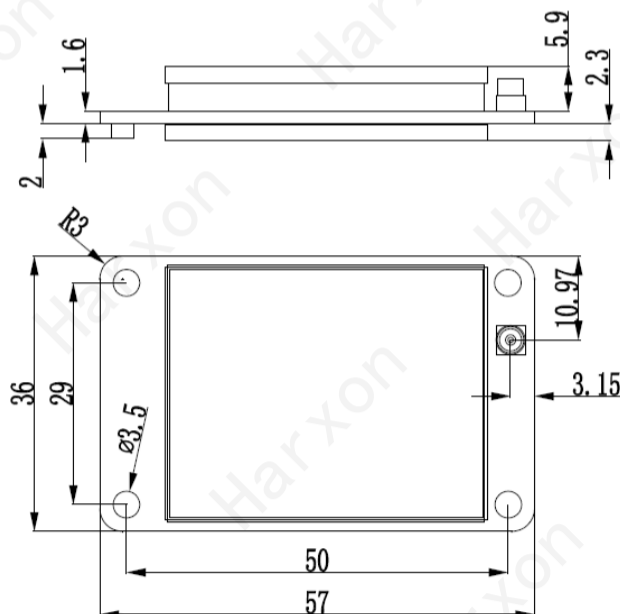
HX-DU1012R is a receiving only modem designed for integration into products that require either a one- or two-way radio communication link that is configurable for operation between 410-470MHz. This modem provides reliable operation with low power consumption which makes them versatile and easy to use for a wide variety of applications. Their compact size and ease-of-use make these units perfect for innumerable mobile / remote data applications.

HX-DU1012R integrating the latest modem technology from Harxon, which can be widely used in oil and gas field monitoring, water and waste water management, automatic vehicle location, differential GPS navigation and differential and RTK survey correction applications.

Technical Specifications

General Specification	
Frequency range	410~470MHz
Operating mode	Simplex/Receiver only
Channel spacing	25KHz, 12.5KHz
Operation voltage	3.3~5.0V
Size	57×36×8mm
Weight	About 22g
Temperature(operation)	-40℃~+70℃
Temperature(storage)	-40℃~+85℃
Antenna port	MMCX
Antenna impedance	50ohm
Data interface	6pin 2.0mm
Receiver	
Sensitivity	-112dBm@BER 10 ⁻³ , 9600bps

Adjacent channel selectivity	>50dB@25KHz
Modem	
Air baud rate	4800bps、9600bps、19200bps
Modulation type	GMSK
Serial port baud rate	9600 bps、19200 bps、38400 bps、57600 bps、115200 bps
Interface pin definition	
Pin 1	VCC Regulated 3.3-5.0 VDC
Pin 2	RSSI OUT
Pin 3	GND
Pin 4	Config_EN
Pin 5	TXD (TTL voltage)
Pin 6	RXD (TTL voltage)



Dimension (mm)

Harxon Corporation

 www.harxon.com
 sales@harxon.com
 Tel: +86 0755-26989948 Fax: +86 0755-26989994

HARXON AUTHORIZED DISTRIBUTION PARTNER