



# TIAMIS Software Defined Radio

## 902-928 MHz

### Y-Series

RF channel throughput 115 kbps up to 1.3 Mbps, wide variety of network protocols and data interfaces, 1W and 5W\*.



**Extruded Aluminum Enclosure**  
4.72" x 4.06" x 1.2"



**MIL-Grade, Ruggedized Enclosure**  
4.55" x 6.2" x 1.6" (with mounting plate),  
equipped with 3 circular 801 series  
MIL-spec connectors, 1 TNC connector

## SDR Core Features

On-board firmware bank for multiple waveforms

User selectable RF channel throughput

Adjustable modulation

One IP radio, multiple simultaneous data channels

Network Protocols: *Point-to-Point, Point-to-Multipoint*  
*Push-to-Talk, TDMA, Masterless TDMA,*  
*1PPS low-latency distribution, AdHoc*

On-the-fly programmability

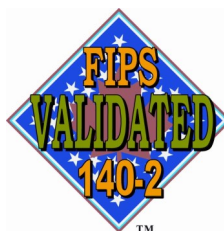
Field programmable and upgradeable

Cryptography, FIPS 140-2, Level 2 certified

Variety of Interfaces

## Custom Development

Lexycom Technologies offers affordable custom RF design and development.



**All transceivers are available with the 'VernoCM' Cryptographic Module**

**Other Enclosures are available, contact Sales for details**

## Technical Analysis and Set Up

Lexycom will conduct a radio system analysis and set up for customers that are interested in purchasing Lexycom products.

All transceivers are designed and manufactured in the **USA**.

\*5 Watt version is an ITAR regulated Export controlled product.