



# RADIOMETRIX

DESIGN IN SUCCESS



RF INTERFACE KIT

EASY RF MODULES | 11  
OVERVIEW

# Easy RF Modules

Over 25 Years Radiometrix has delivered modular solutions to data radio communications, stock modules for test and prototype custom solutions for production runs.

## Modem chip solutions.



A range of IC solutions designed to match with Radiometrix raw modules so you get the best out of your RF links.

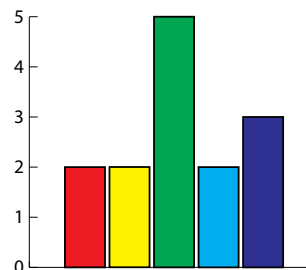
i1200\* (NBK), i9600 and M48a

\*The majority of Radiometrix multi-channel modules include an i1200 option.

## Wide Band Packet Controllers



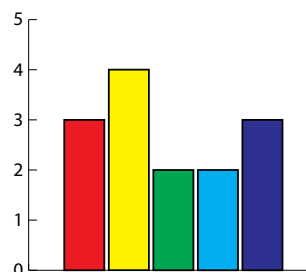
A range of intelligent packet modems enabling a radio network or link to be simply implemented. Wide band giving the best possible data rates in the ISM bands.  
**433,868,914MHz**



## Narrow Band Packet Controllers



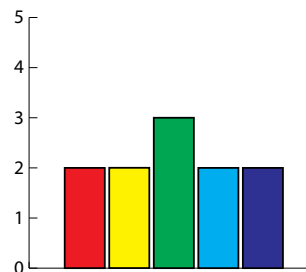
When range or immunity from interference is paramount Radiometrix Narrowband Packet modems deliver. Ranges more than twice that of wideband equivalents are achievable.



## Wide Band Modems



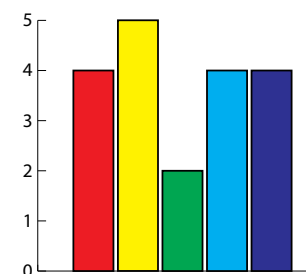
Single and multi-channel transparent data links operating as half duplex modems. Easy to integrate or ready to go wire replacement options.



## Narrow Band Modems



Long range, low power. Industry beating performance and price. A wide range of single and multi-channel modules to suit the most demanding applications. Versatile, configurable, Interference tolerant and tough.



# Product highlights

High power, high performance radios and radio modules. **Ideally suited to demanding industrial environments.**



**QPT1 1W to 4W VHF** an ideal paging transmitter



**BHX2 1/2Watt 458MHz** transceiver for UK industrial applications



**SHX1 1/2 Watt VHF** multi-purpose transceiver. Unbeatable price / performance combination

**NEW FOR 2011-**

**Ready to go:**



**TDM2** Proven 300m range 9600bd transparent RS232 links Mains or battery power.



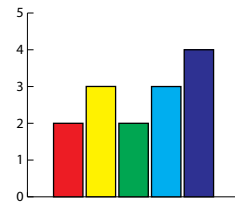
**M4800** Very long range radio modem. 10km+ LOS.

## Develop and test your design

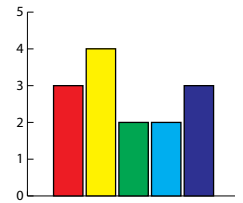
Then embed your solution with your chosen Radiometrix modules



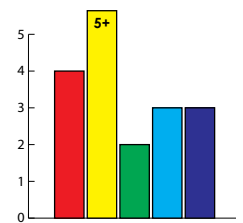
**NEW - RMZ**  
- ultra fast switching multi channel modem  
10 ms TX RX turnaround  
M48a modem protocols



**PLT / PLR**  
- Flexible, easy to use packet radio modems  
Multi-channel narrowband  
Long range



**QPX1**  
- 2W Transceiver, narrow band VHF  
Industrial Housing  
FCC part 90 licensed and unlicensed MURS  
HAM 2M band available



## Histogram 'At a glance'

To help you choose the module you require

\*values shown are relative to other modules in our range and represent quantitative values



TX Power



Range



Data Rate



Size



Price

Available Frequencies: Typ. 144, 169, 173, 433, 458, 868, 914MHz Custom frequencies on request

# Specialists

## in UHF & VHF Low Power Radio

### Industry-leading Reliability & Quality

Radiometrix has specialised in the design and manufacture of VHF & UHF FM low power radio modules for the rapid implementation of high integrity, wireless data links since 1985.

We offer custom development in addition to our diverse portfolio of products for licence-exempt and licensed applications.

### Allowing you to concentrate on the bits you do best.

Radiometrix put their expertise and experience into this range of modules, giving you easy to integrate radio links and networks with the best possible performance.



## Need a custom solution?

Have an idea but not sure how to achieve it?

Radiometrix design and manufacture Radio solutions and have helped many people get their ideas to market. **Just ask!**

See our Website for the latest details of our range and full technical specifications.

[www.radiometrix.com](http://www.radiometrix.com)

### WIRELESS SOLUTIONS FOR

- INDUSTRIAL AND COMMERCIAL TELEMTRY AND TELECOMMAND •
- INDUSTRIAL CONTROL • DATA LOGGING • AUTOMATIC METER READING •
- TRACKING/TAGGING • ENVIRONMENTAL CONTROL • HIGH-END SECURITY/ALARMS •

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 **RADIOMETRIX**  
WIRELESS DATA TRANSMISSION