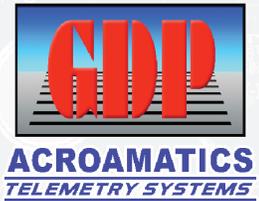


TELEMETRY RECEIVERS

Product Overview



- 4-Channel Diversity Combining
- Advanced Diversity Combiner (AGC & Data Quality Modes)
- Adaptive Equalization
- Ethernet Data Output (IRIG 218-20)
- IRIG B Time Tagging
- Bit-by-Bit Data Quality Output for GDP Diversity Combining BSS (DQE)
- Frame Sync (Byte aligned data)
- IRIG 106 Chapter 10 Ethernet Compatible Output & Chapter 7 Decoding
- RF, IF and Subcarrier Versions
- SC/P/L/S/C-Band Versions
- B/Q/A/U/O/SO QPSK, GMSK
- ARTM Waveforms, STC
- FEC (LDPC, Viterbi, Reed Solomon)
- Tracking Antenna Control
- 10 bps to 40+ Mbps
- Interference Cancellation
- Includes Data Simulation Capability
- Built-in Test Capability
- Fault Testing and Logging
- Advanced Receiver Status Logging & Display Functions
- Real-time Post Mission Receiver Status Strip Charts

GDP Space Systems' Model 44XX line of 3rd Generation Digital RF, IF and Subcarrier Telemetry Receivers are available in single, dual or quad channel configurations. Each channel is an integrated solution consisting of an IF Signal Processor, 2 Demodulators, 2 Bit Synchronizers and Frame Synchronizers. Diversity Combiner (Pre-D and Post-D) is optional. Ethernet data can be output directly from each channel in a variety of formats (CH10, IRIG218-10, IRIG218-20, etc) Chapter 7 downlinks are also supported.

These world-class receivers provide a compact, rugged, cost competitive, flexible solution to a wide variety of communications link scenarios. Depending on the model required the unit is provided in 1U, 2U & 3U rack mounted chassis. Advanced TRMS control status and logging software is also available for these units. This software includes real-time and post flight strip chart capability.

** Unique in the Industry - 4 Channel Diversity Combining **

Model 4426-M01/M02/M04 Digital Receiver in Single, Dual and Quad channel configurations in a 2U chassis. No PC or OS. Available in all bands with all functions.

Model 4426-M02C Dual Channel Digital Receiver with Diversity Combiner in a 2U rack-mounted chassis. No PC or OS. Available in all bands with all functions.

Model 4426-M02C-1U Dual Channel Digital Receiver with Diversity Combiner in a 1U rack-mounted chassis. No PC or OS. Available in all bands with all functions.

Model 4426-M04C Quad Channel Digital Receiver with Two Diversity Combiners in a 3U rack-mounted chassis. No PC or OS. Available in all bands with all functions.

Model RDM207 RF Single Channel Receiver is provided in a PCI form factor. Available in IF and RF versions. The RDM207 Module can support all bands (IF, CIF, L, S, & C). RDM207 can also support Diversity Combining (Requires Multiple cards).



In use supporting Standard Missile & Minuteman ICBM programs

Model 4460 Single Channel Digital Receiver in a tabletop configuration. Available in all bands and powered with external 10 to 36VDC input. It can also be powered from an external laptop battery.

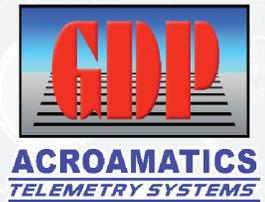


IRIG218-20 & IRIG106 CH7 Support

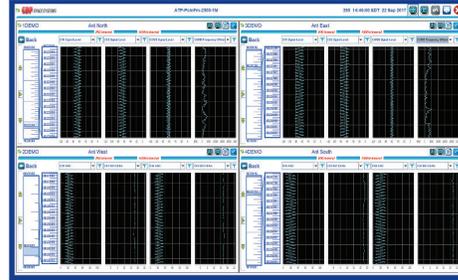


TELEMETRY RECEIVERS

Product Overview



Control GUI (4 Receivers)



Receiver Parameter Stripcharts

Dual Channel Diversity Receivers



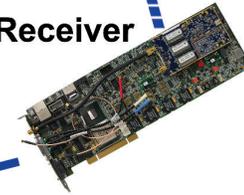
Portable Lunchbox Telemetry System



Quad Channel Diversity Receivers



PCI Receiver



Portable Receiver



Compact (1U) Dual Diversity Receiver

