

GEN-4

Digital Receiver Card

G-4 Receiver Board Layout



Advanced Features

- Signal Coverage: 58 – 92 MHz
- Channel Selection:
 - 8 Independent Digital Quadrature Tuners (DQTs)
 - Tuning Resolution: sub-Hertz selectivity via software commands
- Demodulation: Dual XILINIX Field Programmable Gate Array (FPGA) devices
 - Formats: AM, FM, BPSK, QPSK, O-QPSK, 16-QAM, GMSK, others
- Speed: 150 MHz (900 MFLOPS)
 - (dual Texas Instruments TMS320C6711, 32-bit floating point processor chips)
- Decoding: Software and/or hardware implementation
- Channels: 4 channels per card (minimum),
 - 8 channels in many modes
- Interfaces: 1 – 115,200 baud RS-232 serial port

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