SR PARxCH PRODUCT FLYER

The Symmetric Research PARxCH family of A/D boards provide 24 bits of analog to digital conversion for 1, 4, or 8 analog input channels. Based on 24 bit sigma delta A/D converters, these systems provide high resolution at sampling rates in the 10-1000 Hz range, with a maximum rate of 5 kHz. They also feature an individual 24 bit A/D converter per channel for exceptionally low crosstalk and no channel skew.

The boards interface with industry standard EPP or BPP PC parallel ports. They are also equipped with a large 2Mb DRAM FIFO memory buffer for storing data while waiting for the PC. The large hardware buffer provides for continuous data acquisition even with long networking latencies.

Software support is provided at no cost for Windows 2K/XP and Linux, including both GUI and console acquisition applications. Source code and circuit diagrams are included for system customization.

HARDWARE FEATURES

- Ideal for applications requiring 24 bit A/D conversion on 1, 4 or 8 channels at low frequencies
- Individual 24 bit A/D converter per channel
- Highest resolution sampling at 10-1000 Hz
- Differential analog input voltage range of +/- 10 volts
- 4 digital inputs/outputs under program control, PAR8CH samples digital inputs in synch with analog

- PARxCH board sits outside the PC with its own linear power supply for quiet operation
- Designed for use with EPP/BPP PC parallel ports on desktop, laptop, and notebook computers
- 2Mb FIFO buffering minimizes PC cpu load, ideal for networked environments (4Mb for PAR8CH)

- Multilayer board with split power and ground planes for low noise
- Small footprints: PAR1CH = (3.38 x 5") PAR4CH = (5.25 x 6") PAR8CH = (7 x 7")
- Parallel port interface cable, external power supply, and enclosure included
- Compatible with SR PARGPS time stamping module and AMP4CH-DF amplifier

SOFTWARE FEATURES

- Ready to go acquisition applications for immediate data acquisition and display
- DLL function library support for Windows and Linux programming
- Full documentation including source code and circuit diagrams

PRICES

SR Product	Description	Price
PAR1CH	1 channel 24 bit A/D system for PC parallel port	$220
PAR4CH	4 channel 24 bit A/D system for PC parallel port	$575
PAR8CH	8 channel 24 bit A/D system for PC parallel port	$980
PARGPS	PARxCH GPS timing and location accessory	$285

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