

Data acquisition

PC/104 and Small Form Factors

Resource Guide 2007

Measurement Computing

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**PC104-CTR10 HD**

Flexible and extremely reliable, the PC/104-CTR10 HD is a 10-channel, 16-bit counter/timer based on two 9513 ICs. It uses a 10 MHz crystal oscillator clock source with a frequency accuracy of 100 ppm. It can be configured for frequency measurement or division, event counting, pulse-width measurement, and complex duty-cycle generation. It supports one-shot and continuous mode, and is supported by Measurement Computing's Universal Library and by many third-party programs. A single interrupt input initiates an interrupt service routine from an external source. Interrupt levels are software selectable between two and seven. There are three programmable clock pulse sources available: 1 MHz (10 MHz crystal divided by 10), or 5 MHz (10 MHz crystal divided by 2), or an external.

**FEATURES**

- › PC/104 form factor
- › Ten 16-bit counters
- › Counter type/configuration: two 9513s (five counters each)
- › External input frequency range: up to 7 MHz
- › On-board frequency source: 1 MHz or 5 MHz
- › Crystal stability: 100 ppm