



## FEATURES

- Synchronizes PC to atomic clock in GPS satellites with  $\pm 1\mu$  sec accuracy
- Software is supplied for operation under Windows 98/ME/NT2000 and XP
- APIs provided for custom programming
- High stability oscillator and clock with battery backup
- On board LED indicates GPS lock
- GPS information and PPS timing pulse available via DB9
- Optional software - TCRSync-NTP provides NTP reference for heterogeneous operating systems on an Ethernet LAN, based on GPSPCI.
- GPS information is available internally via the PC bus and externally via the RS-232 port in the NMEA protocol

## SPECIFICATIONS

### Interrupts

- Automatic interrupt selection

### Port Address

- Automatic port selection

### Connectors

- DB-9 for RS-232
- SMA (F) for line feed from antenna

### Time Reference

- When synchronized the GPSPCI, long-term accuracy is the same as a GPS satellite atomic clock
- If the GPS signal is lost, the unit will revert to the stabilized internal oscillator and maintain accuracy  $< \pm 165$  ms per day

### Physical

- $\frac{1}{8}$  slot PCI Card
- Shipped with a full-profile bracket attached

### Software Features

- Software runs as a service
- APIs provided with sample source code
- PC clock time is adjusted by tick rate skewing (not jam syncing)

### Options

- **Basic** antenna package includes magnetic GPS antenna and 15' (5m) of cable
- **Standard** antenna package includes marine GPS antenna, antenna mounting kit and 50' (15m) of cable