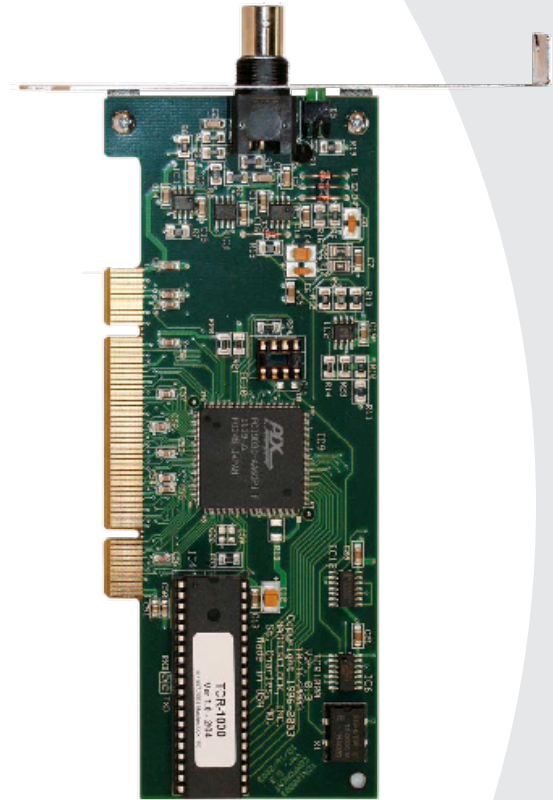


### TCR1000

#### FEATURES

- Universal voltage time code reader plug-in style card for both 3.3V and 5V PCI busses
- Provides accurate time to PCs and servers for precise synchronization in embedded system
- References time codes IRIG-B, IRIG-B1, SMPTE 12M, 309M, 24/25/30 fps (non-drop frame formats only)
- Allows millisecond synchronization accuracy
- Microsecond accuracy achievable through API development
- Fully configurable time zone and daylight saving time offsets
- Detects time code type and sets time code level automatically
- LED status indicator



#### SPECIFICATIONS

##### Time Code Inputs

- > SMPTE (30/25/25 fps - non-drop frame only) to Leitch Date Encoding Standard
- > IRIG-B pulse width coded (unmodulated) DC, IEEE 1344 Standard
- > IRIG-B(1) 1 kHz Amplitude Modulated, IEEE 1344 Standard

##### Holdover Accuracy

- > With loss of power or time reference synchronization, device reverts to an internal battery-backed real-time clock chip with accuracy of  $\pm 1$ min/year or  $< 165$ ms per day

##### Connectors

- > BNC connector for time code input
- > Optional 3 pin positive locking, right angle pin header for time code input

##### Physical

- > Half- height card
- > Length: 6.6 in (167.6 mm)
- > Height: 2.5 in (63.6 mm)

##### Compliance

- > FCC, CE Marked, ROHS, ANSI

##### Configuration and Software

- > MCRSET utility for configuration and status
- > MCRSYNC service automatically keeps PC clock synchronized
- > DLL with documented API

##### Supported Drivers

- > Windows XP (32 bit)
- > Windows 7/10 (32 & 64 bit)
- > Windows Server 2003/2008/2016

##### Options

- > TCRsync-NTP software provides NTP reference for heterogeneous operating systems on an Ethernet LAN

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