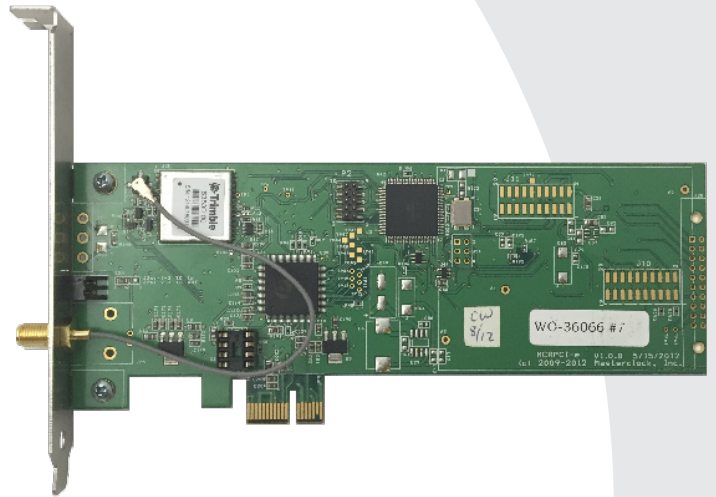


PCIe-GPS

FEATURES

- Synchronizes PC to ± 2 milliseconds of GPS reference
- Provides millisecond accuracy to Windows applications
- Microsecond accuracy achievable through API development
- Fully configurable time zone and daylight saving time offsets
- PCIe revision 2.0 – slot compatible X1 through X16
- LED status indicator



SPECIFICATIONS

Holdover Accuracy

- > With loss of power or time reference synchronization, device reverts to an internal battery-backed real-time clock chip with accuracy of ± 1 min/year

Supported Drivers:

- > Windows XP (32bit) /7/8/10 (32 & 64 bit)
- > Windows Server 2003 R2/2008 R2/2010/2012
- > Linux

Software

- > API software development kit and documentation is provided for designers
- > Windows OS requires Net Framework 4.0 and a Windows Visual Studios C++ to be installed

Physical

- > Length: 6.6 in (167.6 mm), Height: 2.712 in (68.8 mm)
- > Low profile card and bracket standard; Full height bracket included

Operating Parameters

- > Temperature: 0 to 60 °C

Compliance

- > FCC, CE Marked, ROHS, ANSI

Antenna Options

- > Basic antenna package includes magnetic GPS antenna and 15 ft (5 m) of cable
- > Standard antenna package includes outdoor GPS antenna, mounting kit, and 50 ft (15 m) of cable

High-stability Oscillator Options

- > HSO-1 with TCXO provides accuracy of ± 3 seconds/year
- > HSO-2 with OCXO provides typical stability of ± 250 ms/year after 30 days of aging

Freq = 10 Mhz	HSO-1	HSO-2
Oscillator Type	TCXO	OCXO
Freq. Stability	$\pm 2.5 \times 10^{-6}$	$\pm 5 \times 10^{-9}$
Aging Stability per yr	$\pm 1 \times 10^{-6}$	$\pm 1 \times 10^{-8}$
Drift per year	± 3 seconds	± 0.3 seconds

MASTERCLOCK, INC.

5-YEAR LIMITED PARTS & LABOR WARRANTY

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