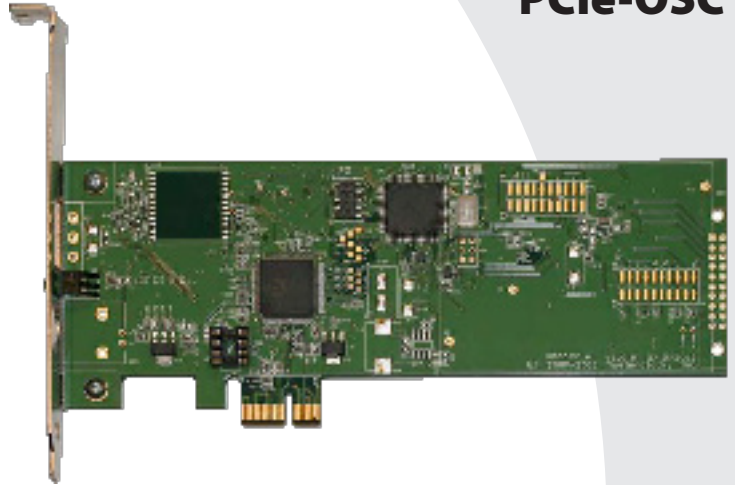# PCIe-OSC

FEATURES

- 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

Time Generation Accuracy
> Internal battery-backed real-time clock chip provides accuracy of ± 1min/year

Supported Drivers
> Windows XP (32 bit)
> Windows 7/8/10 (32 & 64 bit)
> Windows Server 2003 R2/2008 R2/2010 R2/2012 R2/2016
> 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

High-stability Oscillator Options
> HSO-1 with TCXO provides accuracy of ± 3 seconds/year
> HSO-2 with OXCO provides typical stability of ± 250ms/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

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