



# ZTEC Instruments

The Leader in Modular Oscilloscopes

## Press Release

For more information, contact Emily Jones at [ejones@ztecinstruments.com](mailto:ejones@ztecinstruments.com)

## LXI Compliance for High Channel Density Oscilloscopes

September 5, 2008 – Albuquerque, NM – ZTEC Instruments has earned LXI Class C compliance for its 1 GHz ZT4610 and 300 MHz ZT4210 LAN/Ethernet-based digital oscilloscopes. With LXI certification, these oscilloscopes become the highest channel density LXI oscilloscopes on the market today.

Designed specifically for ATE, aerospace & defense, and remote test applications, the ZT4610 and ZT4210 LXI oscilloscopes deliver the advanced functionality commonly found in today's benchtop scopes. Their small size and remote control and monitoring capabilities enable users to easily obtain high channel density and to interface with instruments across the lab or around the world via an Ethernet/LAN connection.

Learn more about the ZT4610 and ZT4210 LXI oscilloscopes at <http://www.ztecinstruments.com/LXI>

### Small Form Factor

These compact, 1U height, half-rack width, high channel density oscilloscopes provide powerful features that are normally found only on much larger benchtop instruments. Two, four-channel instruments can be mounted side by side in a standard instrument rack, providing users with eight oscilloscope input channels in only 1U of rack space. These LXI instruments address a key need for test applications that must occupy as little space as possible.

### Remote Access & Control

With their Ethernet connectors, the ZT4610 and ZT4210 LXI units offer complete remote control and monitoring of the instrument. This includes the ability to view



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waveform data and transfer data and setup files from anywhere as long as the user has access to the instrument's IP address.

## Powerful Features

These high-performance oscilloscopes are available in 2 and 4 channel versions. Key specifications include:

- ZT4610: 1 GHz analog bandwidth, up to 4 GS/s real-time sampling, and up to 64M sample record lengths
- ZT4210: 300 MHz analog bandwidth, up to 1 GS/s real-time sampling, and up to 256M sample record lengths

Additionally, the robust analog front-end on the ZT4210 gives users the ability to accurately measure a wide range of input voltage levels up to +/-300 V CAT II. With full scale input ranges from 400 V<sub>pp</sub> to 12.5 mV<sub>pp</sub>, the ZT4210 enables ATE and embedded test systems users to measure an extremely wide range of signals without the need for external signal amplification or attenuation. This is important for automated and remote test applications where it is difficult or impossible to quickly add or remove external signal conditioning.

Both units calculate over 40 waveform parameters and include four calculation channels for performing basic and advanced math on acquired data. Math functions include add, subtract, multiply, integration, differentiation, FFT, histograms, parameter trending and many more.

## Free Software & Drivers

Free instrument drivers from ZTEC help users easily integrate the LXI units into ATE and embedded systems. New IM-C drivers, in addition to drivers for other key programming environments including LabVIEW, LabWindows/CVI, MATLAB, COM, Visual C/C++, Visual Studio and others can be downloaded from the ZTEC website.



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Additionally, ZTEC offers free ZScope<sup>®</sup> control and display software and the ZFind instrument locator and configuration utility. The intuitive ZScope<sup>®</sup> soft front panel application, with the look and feel of a benchtop instrument, gives users complete control of the instrument and displays acquired waveforms, math waveforms, and waveform parameter data. ZFind enables users to easily identify what ZTEC instruments are installed on the current host. ZFind also lets users send commands to connected instruments and read back information from those instruments.

Visit <http://www.ztecinstruments.com/LXI> to learn more about ZTEC's LXI oscilloscopes as well as its offerings for PXI, VXI and PCI instruments.

## About ZTEC Instruments

ZTEC Instruments is a pioneering modular instrument company whose product focus is oscilloscopes and function generators. ZTEC products are unique in that they provide powerful benchtop instrument capabilities in modular instrument form factors, including PCI, CompactPCI/PXI, VXI, and LXI (Ethernet). For more information about ZTEC Instruments and how our products can address your test and measurement needs, please visit [www.ztecinstruments.com](http://www.ztecinstruments.com).