

Announcing Our IOtech® ZonicBook Upgrade / Exchange Program

About the Products

The ZonicBook Multi Channel Analyzer has served as the work-horse for professional Vibration Analysts for more than 16 years. The product was introduced to the market in 2002 as an upgraded and fully expandable evolution of the original ZONIC Medallion Dynamic Signal Analyzer ("DSA") first developed by ZONIC Corporation, Milford Oh. ZONIC Corporation was purchased by IOtech® in July 2001.

Total sales of ZonicBook 618e systems approach 1,000 systems world-wide. The ZonicBook and the associated software platforms, eZ-TOMAS for rotational equipment monitoring, and eZ-Analyst, a full featured FFT Analyzer platform, have enjoyed widespread acceptance within the Machine Condition Monitoring community. The eZ-Series also includes a multi-plane balancing product, eZ-Balance**.



In 2006 IOtech® introduced a new DSA product platform, the 600u Series USB products. These units were designed to address some of the limitations of the ZonicBook. The new systems utilized 24 bit delta-sigma A/Ds per channel, resulting in truly phenomenal signal to noise ratio. The product specification lists the 'calculated' dynamic range as -108 dB based on the analog front-end configuration; however, the design results in additional signal processing 'gain' which yields an actual processed spectrum with no significant 'noise' peaks above -140 dB! This contrasts dramatically with the ZonicBook's single, 16 bit A/D and multiplexed signal process, which was spec'd at -70 dB. 600u Series signals were found to be so clean that no programmable analog gain was required in the design. The input voltage level is fixed at +/- 40 Volts to accommodate Proximeter signals, while uV level accelerometer signals remain entirely useable!



The 600u series DSA products are also 'plug-and-play' USB 2.0, requiring no computer interface configuration; a constant annoyance with the peer-to-peer Ethernet interfacing of the ZonicBook platform. The design has also been proven to be exceptionally robust and rugged. The track record for the products is truly remarkable. Five, ten, and twenty channel 600u Series DSA units are available. Five channel units

may be totally USB powered, allowing the Analyst to collect data completely un-tethered from AC power if desired. This is particularly attractive when collecting 'roving' Modal data that requires constant movement around the test structure.

There is a compromise. ZonicBook systems could be expanded in 8 channel increments to a total synchronized configuration of 56 channels. 600u Series systems are NOT expandable. Units are offered in 5, 10, and 20 channel packaging. Users requiring more than 20 channels are restricted to the ZonicBook platform.

End of an Era

National Instruments has announced that the ZonicBook 618e and the companion WBK18 eight channel Expansion Modules will no longer be manufactured after 2017. This difficult decision was driven by two primary factors: RoHS requirements (Restriction of Hazardous Substances Directive 2002/95/EC), and vendor component obsolescence issues.

The 600u Series products are RoHS compliant designs and no component availability issues are anticipated. These products will continue to be manufactured and available to the IOtech® user community for the foreseeable future.

ZonicBook Exchange Program

Appreciating that there is a large installed base of dedicated ZonicBook users world-wide, National Instruments has authorized a very attractive program allowing ZonicBook owners to purchase current production 600u Series DSA products at a *substantial* discount. This discount will be 40% of current list for a 600u Series DSA, with the exchange of either a ZonicBook, or a WBK18 unit.

<i>IOtech® DSA Model</i>	<i>Current List</i>	<i>Discount</i>
672u 20 channel DSA	\$25,557.00	\$10,222.80
652u 10 channel DSA	\$12,408.00	\$4,963.20
650u 5 channel DSA (4 ICP + 1 Tach)	\$7,445.00	\$2,978.00
640u 5 channel DSA (4 ICP + 1 Analog Out)	\$7,445.00	\$2,978.00

NOTE: listed examples reference current US List Pricing at time of publication. International pricing and associated discounts will differ. Please contact us for current program export pricing.

DSA units purchased under this program will also receive fully licensed software.

Final note: All equipment purchases facilitated by McFate-Inc will also be covered by a Support Services Contract issued by McFate-Inc *at no cost*. Standard pricing for a one-year Support Services Contract is \$750.00 per unit.

It is fully understood that this exchange opportunity will not address the requirements of all ZonicBook customers; the primary limitation being that the maximum number of channels available in the 600u Series is limited to twenty. Providing continued viability and extending the service life of the ZonicBook for these customers is a primary motivation for implementing this program. Exchanged hardware will be maintained and utilized for continued repair and calibration support administered through Unilytix LLC.

The Exchange Program will be managed by McFate Support Services Inc., working in concert with Unilytix LLC. and National Instruments. Exchanged ZonicBook and WBK18 units must be received by Unilytix to initiate the purchase cycle. The returned units are not required to be 100% serviceable, however severely damaged units may not qualify for exchange. Unilytix will retain sole authority to determine suitability for exchange. Once received by Unilytix, the unit will be evaluated and the customer and McFate-Inc. will be notified. The Exchange Purchase will then be booked through McFate-Inc. The replacement unit will be direct-shipped from National Instruments to the customer.

**** Note: eZ-Balance is not compatible with IOtech® 672u DSA hardware**

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