

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

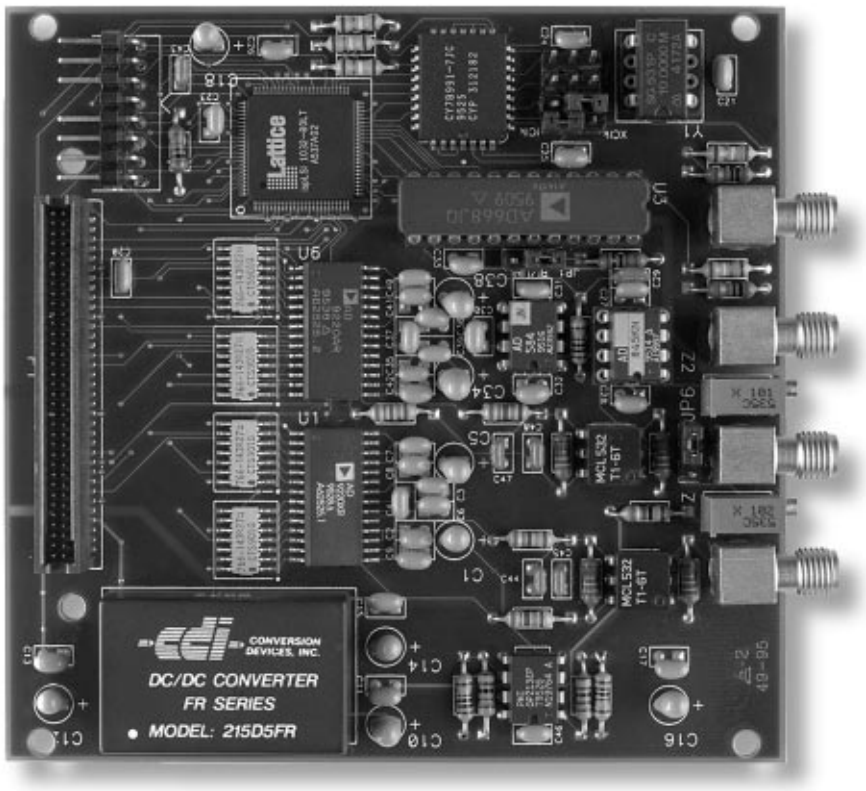
- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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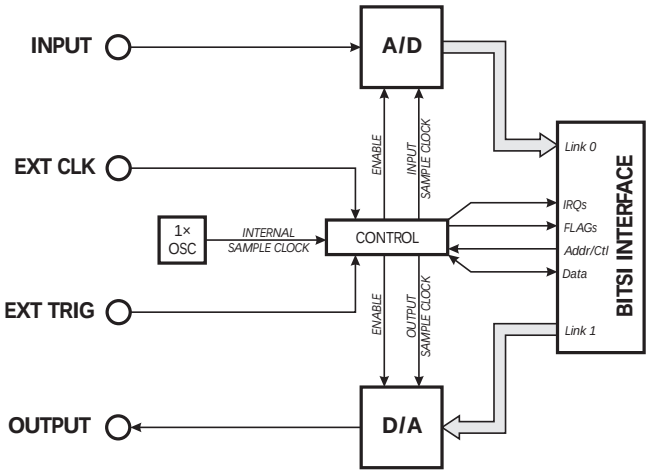
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bitsi ARROW 10 MHz 12-bit Analog I/O Mezzanine

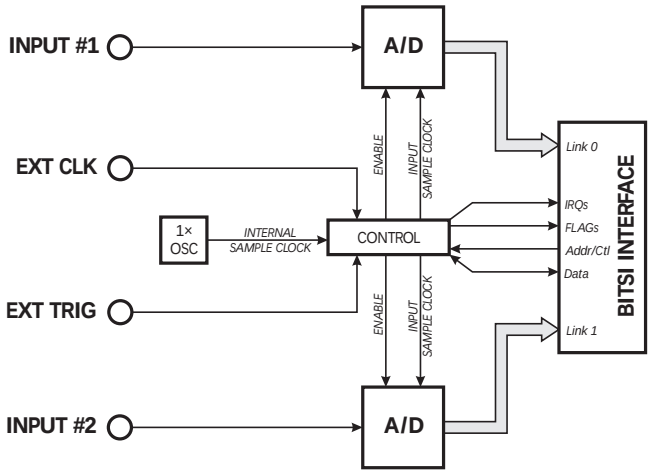


Power	
All versions	<1.5 W
Input Range	
50 Ω transformer coupled	2 Vp-p
A/D (AD9220)	
Resolution	12 bits
Maximum Conversion Rate	10 MHz
Differential Nonlinearity	±½ LSB
SNR (1 MHz)	69 dB
SNR (4.99 MHz)	67 dB
Output Range	
Unipolar	0 V to +1 V
Bipolar	–1 V to +1 V
D/A (AD668)	
Resolution	12 bits
Maximum Conversion Rate	10 MHz
Linearity	±½ LSB
THD	–75 dB

The Arrow is a high-performance analog input/output adapter capable of converting at rates up to 10 MHz. The 3.9" × 4.0" mezzanine attaches to the BITSI site on BittWare's SHARC-based system boards. Real-time data is transferred to/from the system board's processors via high-speed link ports. The sample clock can be provided by an external source or derived from the on-board oscillator. The Arrow is available in three channel configurations: 1) a single input channel, 2) one input channel and one output channel, or 3) two input channels.



Arrow configured with one input channel and one output channel.



Arrow configured with two input channels.

bitsi I/O Mezzanine

The BITSI I/O Mezzanine standard was designed to mesh perfectly with the SHARC processor to interface to a wide variety of I/O modules while requiring low processor overhead. The interface consists of 32 data bits, 20 address bits, 10 control signals, 2 DMA channels, 6 SHARC link ports, 3 serial ports, 3 analog powers (+5, +12, –12) & ground, and digital power & ground—all in a form factor suitable for ISA and PCI bus cards. The **BITSI I/O Mezzanine Specification** is an open standard published by BittWare. A growing collection of mezzanines covering a wide variety of I/O requirements are available now. Call BittWare with your I/O requirements—we probably have exactly what you need!

BITTWARE RESEARCH SYSTEMS 800-848-0436
33 NORTH MAIN STREET • CONCORD • NEW HAMPSHIRE • 03301 • FAX: 603-226-6667

Specifications subject to change without notice.
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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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