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**

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

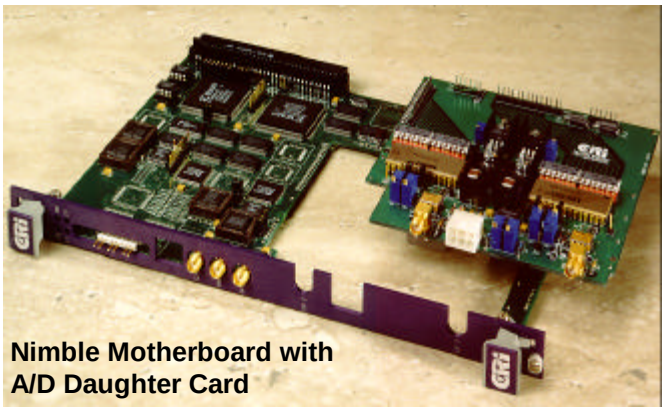
Find the *Leonardo DRS / Catalina Research Nimble-8* at our website: *Click HERE*

# Performance Specifications for the Nimble A/D Daughter Cards

CRI's Nimble product family consists of two main sections: the Nimble digital motherboard and the Nimble A/D daughter cards. Please refer to the Nimble data sheet for more details.

The digital motherboard provides the convert clock, sampling control logic, and FIFOs to compliment the A/D function. It is isolated from the A/D daughter card through optocouplers and ground chokes (where appropriate).

The A/D daughter cards are based on various manufacturers' A/Ds and are detailed below.



**Nimble Motherboard with A/D Daughter Card**

| PART NUMBER | SPECIFICATIONS |
|---|---|
| Nimble 6 | 16 bits / 2 MSPS (single channel)<br>Analogic ADC4322 Hybrid A/D Converter<br>SNR 86 dB (Fin = 100 kHz, Fs = 2 MHz)<br>THD 86 dB (Fin = 100 kHz, Fs = 2 MHz) |
| Nimble 7 | 14 bits / 10 MSPS (dual channel)<br>Analog Devices AD9240 Monolithic A/D Converter<br>SNR 81 dB (Fin = 1 MHz, Fs = 10 MSPS)<br>SFDR 85 dB (Fin = 1 MHz, Fs = 10 MSPS) |
| Nimble 8 | 12 bits / 41+ MSPS (dual channel)<br>Analog Devices AD9042 Monolithic A/D Converter<br>DC coupled; Analog Bandwidth < 10 MHz (op-amp front end)<br>SNR 73 dB (Fin = 4.8 MHz, Fs = 40 MSPS)<br>SFDR 75 dB (Fin = 4.8 MHz, Fs = 40 MSPS) |
| Nimble 9 | 12 bits / 41+ MSPS (dual channel)<br>Analog Devices AD9042 Monolithic A/D Converter<br>AC coupled; Analog Input Straight into A/D for Optimized SNR/SFDR Performance<br>SNR 69 dB (Fin = 21.0 MHz, Fs = 52 MSPS)<br>SFDR 73 dB (Fin = 21.0 MHz, Fs = 52 MSPS) |
| Nimble 10 | 12 bit / 65+ MSPS (dual channel)<br>Please contact CRI for more information. |

**PERFORMANCE PLOTS AVAILABLE UPON REQUEST.**
**PLEASE CONTACT CRI FOR PRICING AND DELIVERY INFORMATION.**


**Main Office:**
**1321 Aeroplaza Drive**
**Colorado Springs, CO 80916**
**phone: 719 637 0880**
**fax: 719 637 3839**

**East Coast Office:**
**70 Walnut Street**
**Wellesley, MA 02181**
**phone: 781 239 8078**
**fax: 781 239 8005**

**Internet:**
**sales@cri-dsp.com**
**support@cri-dsp.com**
**www.cri-dsp.com**


The information provided herein is believed to be reliable. However, CRI assumes no responsibility for inaccuracies or omissions. CRI assumes no responsibility for the use of this information, and all use of such information shall be entirely at the user's own risk. Prices and specifications are subject to change without notice. No patent rights or licenses to any of the circuits described herein are implied or granted to any third party. CRI does not authorize or warranty any CRI product for use in life support devices and/or systems.

©1997 Catalina Research Incorporated J:\market\datashts\cots\boards\nimble\ds970821_nimdc.doc 01/20/98

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

**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.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

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

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

ARTISAN® TECHNOLOGY GROUP