

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

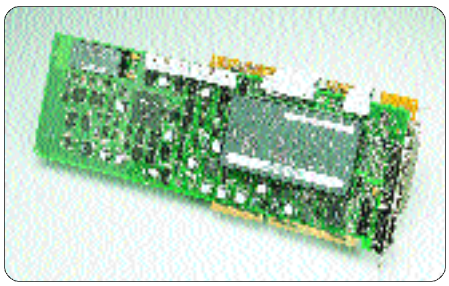
All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Measurement Computing / Data Translation DT2839* at our website: *Click HERE*

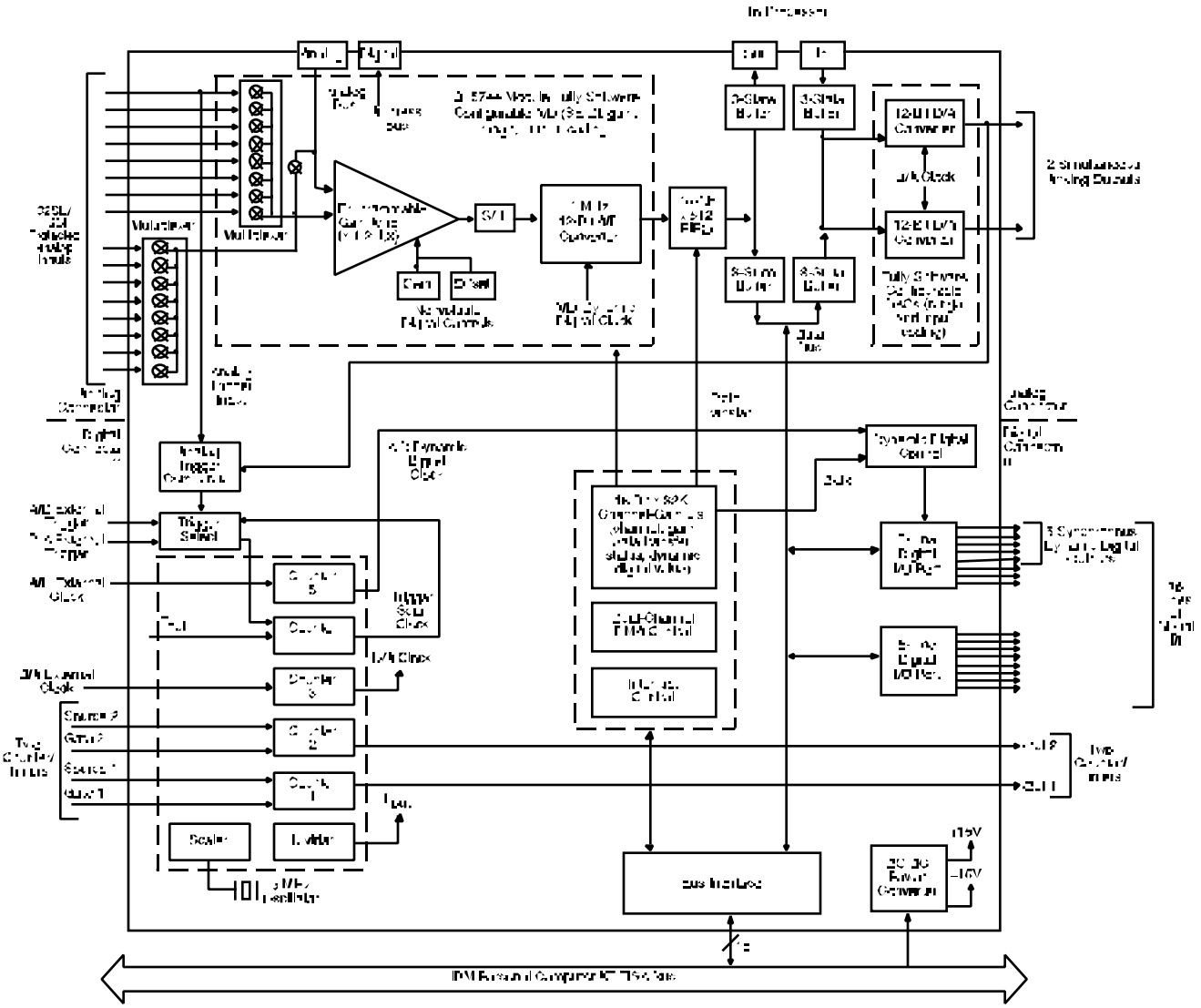
DT2839

High-Speed, High-Channel Count

The DT2839 analog and digital I/O board is optimized for sampling from one to 32 input channels at very high speeds (224 kS/s to 1 MHz). DT2839 control features include analog threshold triggering to start acquisition, variable scan for automatically sampling different channels at different rates, and Dynamic Digital™ circuitry for clocked digital outputs.



- Ideal for automotive, neuroscience and aerospace applications, since up to 32 inputs can be sampled at an aggregate rate of 416 kS/s
- "Hands-Off" design means all operating parameters are software-selectable



DT2839 Block Diagram

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

Configurations, Throughput, and Accessories

Configurations		Throughput and Channels		Accessories
DT2839	Input Channels	Gain	Max. Throughput (multi-channel/1 channel)	DT739 (needs EP248 or EP249)
✔	32SE/16DI	1	416 kS/s/1 MHz*	✔
✔	32SE/16DI	1, 2, 4, 8	320 kS/s/1 MHz*	✔

*Note: Bandwidth on DT2839 is 1.5 MHz, bandwidth of the DT2896 expander is 300 kS/s.

Technical Support

As you develop your application, technical support is available when you need it. Extensive information is available 24 hours a day on our web site at www.datatranslation.com, including drivers, example code, bug fixes, pinouts, a searchable KnowledgeBase, and much more.

Support is also available from your point of purchase. Telephone support is free for the first 90 days; you can also request complimentary support via e-mail or fax at any time. Additional support options are available; contact your Data Translation representative for details.

Summary

A/D: 32 SE/16 DI inputs (to 224 kS/s with two DT2896s); 12 bits; 1 MHz throughput, single channel, 416 kS/s multichannel, 224 kS/s with DT2896

D/A: 2 DACs; 12 bits; 130 kS/s throughput per DAC

Digital I/O: 16 lines organized as two 8-line ports; Dynamic Digital synchronous output on 5 lines of one port

Clocks, Counter/Timers: Two programmable clocks; two 16-bit counter/timers

Interface: Data transfer via: DT-Connect 16-bit to 10 MHz data ports, dual-channel DMA, single-channel DMA, or programmed I/O; 16-bit x 512 FIFO in A/D data path; one interrupt; software-selectable interrupt level, DMA channels

Ordering Summary

All Data Translation products are covered by a 1-year warranty. For pricing information, see a current price list, visit our web site, or contact your local reseller.

Each board ships with a DT-Open Layers device driver for Windows 95/98, diagnostics, EISA configuration file, and a comprehensive user manual.

DT2839

Accessories

DT739–Screw terminal panel

EP248–0.95 m (3.2 ft.) unshielded cable set

EP249–0.95 m (3.2 ft.) shielded cable set

Software

The following products include a copy of the software, a single-user license, and a user manual. All software is supplied on CD-ROM, except as noted.

- HP VEE with DT VPI visual programming software Version 5.0 for Windows 95/98
  SP1950-CD
- HP VEE Lab with DT VPI visual programming software version 5.0 for Windows 95/98
  SP1950-LAB
- TestPoint software for designing test, measurement and D/A applications for Windows 95/98
  SPTPXX–CD (see page 32 for details)
- DTx-EZ visual programming tools for Visual Basic and Visual C++ for Windows 95/98
  SP0970-CD
- DataAcq SDK Software Development Kit for Windows 95/98
  SP0945-CD
- DT-LV Link data acquisition connection to LabVIEW for Windows 95/98, on 3.5 in. 1.4 MB disk
  SP0810-CL

© Copyright 2000 Data Translation, Inc. All rights reserved.
All trademarks are the property of their respective holders. Prices, specifications, and availability are subject to change without notice.

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