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 DT2812* at our website: *Click HERE*

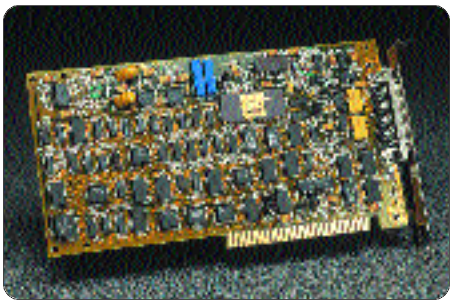
ISA Hardware

DT2812

Analog and Digital I/O

The DT2812 is a general-purpose, IBM® PC-compatible analog and digital I/O board capable of performing DMA transfers. With features that include 100 kS/s A/D with programmable gain, two DACs, digital I/O, counter/timers, and a programmable pacer clock, the DT2812 is an inexpensive solution for scientific and industrial applications.

- A/D and D/A transfer rates of up to 100 kS/s (DT2812-A) and to 60 kS/s (DT2812) are possible with the board's DMA data transfer support
- Three Intel 8254-based, 16-bit counter/timers; two are dedicated to internal use and for event counting or frequency measurement, the third is user accessible
- Contains a programmable pacer clock and provisions for an external clock and external trigger

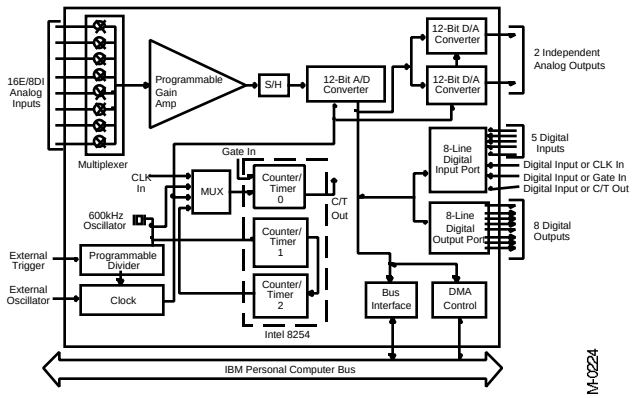


M-4566

Summary

A/D: 12 bits; 60 or 100 kS/s throughput; gains to 8
D/A: 2 DACs; 12 bits; 100 kS/s throughput per DAC
Digital I/O: 16 lines total; 8 lines in and 8 lines out*
Clock: One programmable clock (controls A/D or D/A operations)
Counter/Timers: Three 16-bit; Intel 8254-based; two are dedicated, one is user accessible
Interface: Single-channel DMA or programmed I/O; one interrupt

*If the onboard counter/timer is used, the number of digital inputs is restricted to 5, 6, or 7 depending on how the counter/timer is used



M-0224

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.

The DT2812 ships with diagnostic, a DT-Open Layers device driver for Windows 95/98 and comprehensive user manuals.

- DT2812–60 kS/s, 12-bit A/D, PGH
- DT2812-A–100 kS/s, 12-bit A/D PGH

Accessories

- DT717–Screw terminal panel; needs EP226, EP227, or EP227-3
- EP226–.95 m (3.2 ft.) unshielded cable
- EP227–.95 m (3.2 ft.) shielded cable
- EP227-3–3 m (10 ft.) version of EP227
- DT709-Y–Conditioning panel, 16 DI inputs; needs DT752, EP238, and EP226, EP227, or EP227-3

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.

Analog Inputs

	Resolution (bits)	Throughput (kS/s)	Input Channels	Gain	Ranges (V)	System Error (% of FSR)	Conversion Time (µs)	CMRR (dB @ 60 Hz)	S/H Aperture Uncertainty (ns)	Max Input Volt. W/O Damage (On/Off)
DT2812	12	60	16SE/8DI	1,2,4,8	0–1.25, 2.5, 5, 10	± .03, G=1	12.5	>70	.3	±32/±20
	(.024% FSR)				± .625, 1.25, 2.5, 5, 10	± .05, G=8				
DT2812-A	12	100	16SE/8DI	1,2,4,8	0–1.25, 2.5, 5, 10	± .03, G=1	8	>70	.3	±32/±20
	(.024% FSR)				± .625, 1.25, 2.5, 5, 10	± .05, G=8				

Analog Outputs

	DACs	Resolution (bits)	Throughput (kS/s)	Ranges @±5 mA (V)	Settling Time (µs)	Slew Rate (V/µs)	Error (% of FSR)	Drift (ppm of FSR/°C)
All Models	2	12 (.024% FSR)	100/DAC	±5	10	1.5	± .2	±3, Zero ±30, Gain

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