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Find the *Measurement Computing / Data Translation DT2817* at our website: *Click HERE*

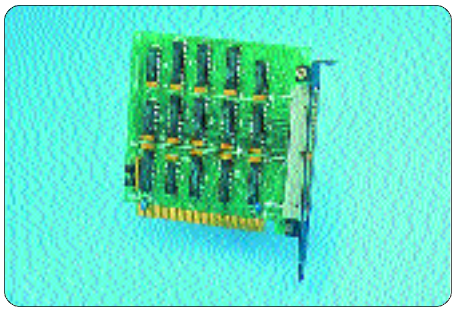
ISA Hardware

DT2817

32-Line Digital I/O

The DT2817 is a low-cost, half-size digital input and output board for IBM® PC compatibles. It provides 32 digital I/O lines that can be set for input or output in groups of eight. For isolated signal conditioning, the DT2817 can drive OPTO 22™ or Potter & Brumfield™ panels directly.

- 32 digital I/O lines are split into four groups of eight
- Provides enough current drive capability to drive most commercially available relays directly
- Can drive 16-bit OPTO 22 and Potter & Brumfield optically-isolated signal conditioning panels directly using the optional EP195 paddle board

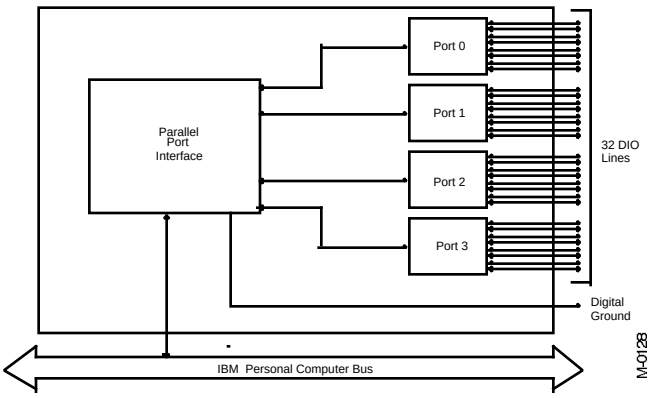


M-4107

Summary

Digital I/O: 32 lines

Interface: Programmed I/O



M-0128

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 DT2817 ships with a DT-Open Layers device driver for Windows 95/98 and comprehensive user manual.

- DT2817

Accessories

- DT758-C–Screw terminal panel and cable
- EP195–Paddle board; requires one EP035 and one or two EP036s
- EP035–2.4 m (8 ft.) flat ribbon cable assembly
- EP036–2.4 m (8 ft.) flat ribbon cable assembly

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

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DC Specifications of Digital Lines

Parameter	Digital Inputs	Digital Outputs
Logic High Input Voltage	2.0 V min	—
Logic Low Input Voltage	0.8 V max	—
Logic High Input Current	20.0 µA	—
Logic Low Input Current	–0.2 mA	—
Logic High Output Voltage	—	2.4 V min
Logic Low Output Voltage	—	0.4 V max
Logic High Output Current	—	–15.0 mA
Logic Low Output Current	—	24.0 mA

Specifications

All specifications are typical at 25° C and rated voltage, unless otherwise specified.

DIGITAL I/O

Number of Channels
32 organized as four groups of 8 that can be set for input or output

Fanout
15 LSTTL loads

Input Load
1/8 LSTTL load

GENERAL

Interface
ISA Bus or EISA Bus, for use with IBM PC compatibles; I/O mapped

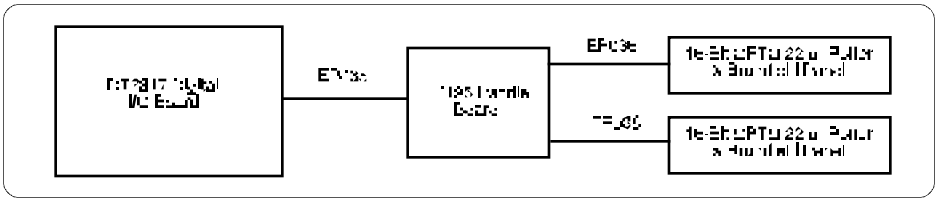
Power Requirements
+5V @ 400 mA max

Physical/ Environmental
Dimensions—
half-size PC board
10.75 x 10.75 x 2.54 cm
(4.23 in. x 4.23in. x 1.0in.)

Connector—
1 50-pin double row header

Temperature—
operating: 0 to 70° C;
storage: –25 to 85° C

Relative Humidity—
to 90%, non-condensing



M-0204

For signal conditioning on digital I/O lines, the DT2817 can be used with OPTO 22 PB16 compatible panels.

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