DI-660 128-bit Parallel Digital I/O Board
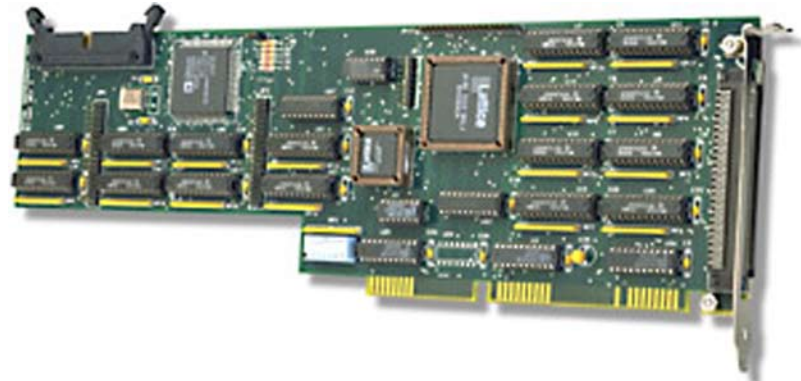
DATAQ®
INSTRUMENTS

RTSI Bus for System-Level Timing and Multiboard Synchronization

128 Total Digital Lines

64 Input/Output, 64 Input Only

On-Board DSP for Unlimited Programming and Configuration Flexibility

DATAQ Instrument's DI-660 board is a high-speed, 128-bit, parallel digital I/O interface for the IBM PC and compatibles. It provides 128 TTL-compatible digital lines for a wide variety of digital applications. An on board 32 MIPS DSP provides unlimited programming and configuration flexibility. The RTSI connector allows you to send timing signals to other compatible boards on the RTSI bus for coordinating simultaneous analog inputs, analog outputs, digital inputs, and digital outputs.

Features

DSP Flexibility

An Analog Devices 2181 digital signal processor is the heart of the DI-660. Program it to perform calculations, control, compare or otherwise manipulate the digital lines without placing a burden on your PC's CPU.
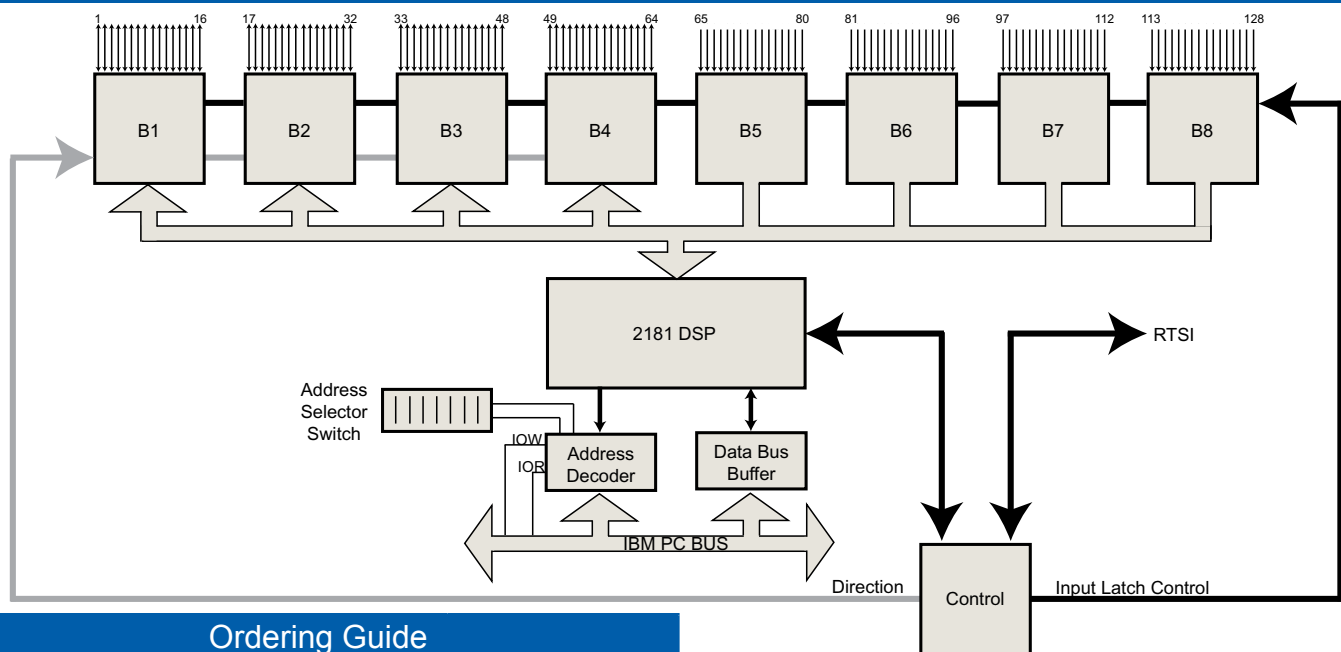
128 Configurable Digital Lines

128 TTL digital I/O lines are organized into eight 16-bit blocks. Each of these blocks can be set independently under software control as inputs or outputs. All are configured as inputs upon power-up.

FREE Software

Includes our Programmer's Software Development Kit (SDK), which provides an object module and dynamic link library (DLL) for DOS- and Windows-based application programs.

Block Diagram

Ordering Guide

Description	Order Number
DI-660 128-bit parallel digital I/O board.	DI-660

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