

DSB4961 USB Digital 96I/O (DIO) Module Info Page



The DSB4961/2 USB Digital I/O (DIO) module provides 96 buffered drive digital input and outputs. On the DSB4961 I/O connections can be configured to be either input or output in banks of 8 lines. On the DSB4962 each I/O connections can be configured to be either input or output. Both modules can supply up to a total output driver current of 400ma from the USB Port, or an external input connector is provided input connector is provided to allow for an external power source to provide additional driver current. Optional sockets for 10pin SIP resistor packs on IO lines, either pullup, pulldown, or combo pull up/down. The bi-directional DIO bits gives the user a simple interface to monitor and control any number of I/O signals between your external hardware and the PC computer. In addition the 50 pin ribbon cable style connectors allows connection to the industry standard opto-22 type I/O racks for PC based control and automation of equipment including data control, sensors, security control systems, switch arrays, sensors and other industrial automation system.

Features

Bank Select IO Version

Input Logic High: 2.0-5.5VDC, Load 20uA
 Input Logic Low -0.5 to +0.8VDC, Load -200uA
 Output High 2.5VDC min source 15mA
 Output Low 0.5VDC max, sink 24mA
400ma of total driver current from USB
Optional USB cable to provide 900ma from 2 USB Ports
Input connector for external driver current power source

Individual Select IO Version

3.3V TTL Logic, 5V tolerant
50 pin ribbon cable (IDE) interface
Power up/ reset state as input mode
Weight 10 oz
Sample applications (VB VC++) included
Operating Temperature -30C to 70
Windows 2K/XP/Vista/Window 7 Drivers

Ordering

Model Number	Description	Cost Each	Qty 10-49	Qty 50-99
DSB4961-50RE	USB 96 line Digital I/O (DIO) Bank Select, shoulded connector Resistor Pack Sockets Module	\$195.00	\$179.50	\$164.00
DSB4961-50NE	USB 96 line Digital I/O (DIO) Bank Select, shoulded connector Module	\$165.00	\$152.00	\$138.75
DSB4961-50NP	USB 96 line Digital I/O (DIO) Bank Select, open connector Module	\$145.00	\$133.50	\$122.00
DSB4962-50RE	USB 96 line Digital I/O (DIO) Bank Select, shoulded connector Resistor Pack Sockets Module	\$215.00	\$198.00	\$180.75
DSB4962-50NE	USB 96 line Digital I/O (DIO) Bank Select, shoulded connector Module	\$185.00	\$170.26	\$155.50
DSB4962-50NP	USB 96 line Digital I/O (DIO) Bank Select, open connector Module	\$165.50	\$152.50	\$139.35
Optional Items				
DSB496-DualPwr	900ma Driver Power Option (requires 2 usb ports)	\$20.00	\$20.00	\$20.00
DSB496-Linux	Linux Support Disk (one time purchase)	\$30.00	\$30.00	\$30.00

RP10-472	4.7K Resistor Pull-up SIP Pack (xicom 266-4.7K-RC)	\$.95	\$.95	\$.80
RP10-222	4.7K Resistor Pull-up SIP Pack (xicom 266-4.7K-RC)	\$.95	\$.95	\$.80

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