



Digital I/O Device

[VIEW PRODUCT DETAILS](#)

Provides digital input and output capabilities for computer-based systems.

The Digital I/O Device supports channel, current, and voltage options to help you automate applications. This module features programmable input filters to remove chatter, noise, glitches, and spikes on inputs, and these filters also provide debouncing for digital switches and relays. You can use the module to perform safe operation when connected to pumps, motors, and other industrial actuators or machinery using the included power-up states. The module also provides a fail-safe mechanism that monitors for computer or application crashes and place the system in a state to ensure safe recovery. Additionally, some models include high-voltage, high-current, and isolation options to ensure the product can work safely in many environments. The Digital I/O Device includes the NI-DAQmx driver and configuration utility that simplify configuration and measurements. NI-DAQmx supports NI programming environments as well as Python, ANSI C, C#.NET, and MathWorks MATLAB® software.

[Learn more about the Digital I/O Device](#)

Select Product Item

Add Options

Add Software



Unit price does not include Import duty, VAT, or Sales Tax.

22 Results | Download This Data as CSV

Sort by Model ▾ Ascending ▾

Model	Price	Bus Connector	Number of Bidirectional Digital Channels	Single-Ended Digital I/O Channel Current Drive	Number of Digital Input Only Channels	Digital Input Voltage Range	Number of Digital Output Only Channels	Output Voltage Range	Maximum Clock Rate
COMPARE (0)		Select ▾	Select ▾	Select ▾	Select ▾	Select ▾	Select ▾	Select ▾	Select ▾
<input type="checkbox"/> PCI-6503	INR 17,600.00	PCI	24	2.4 mA	—	0 V to 5 V	—	0 V to 5 V	—
<input type="checkbox"/> PCI-6509	INR 31,000.00	PCI	96	24 mA	—	0 V to 5 V	—	0 V to 5 V	—
<input type="checkbox"/> PCI-6510	INR 32,500.00	PCI	—	—	32	-30 V to 30 V	—	—	—
<input type="checkbox"/> PCI-6511	INR 38,400.00	PCI	—	—	64	-30 V to 30 V	—	—	—
<input type="checkbox"/> PCI-6512	INR 38,400.00	PCI	0	75 mA	0	—	64	0 V to 30 V	—
<input type="checkbox"/> PCI-6513	INR 38,400.00	PCI	0	125 mA	0	—	64	0 V to 30 V	—
<input type="checkbox"/> PCI-6514	INR 38,400.00	PCI	0	75 mA	32	-30 V to 30 V	32	-30 V to 30 V	—
<input type="checkbox"/> PCI-6515	INR 38,400.00	PCI	0	125 mA	32	-30 V to 30 V	32	-30 V to 30 V	—
<input type="checkbox"/> PCI-6516	INR 32,500.00	PCI	0	75 mA	0	—	32	0 V to 30 V	—
<input type="checkbox"/> PCI-6517	INR 32,500.00	PCI	—	125 mA	—	—	32	0 V to 30 V	—
<input type="checkbox"/> PCI-6518	INR 32,500.00	PCI	—	75 mA	16	-30 V to 30 V	16	-30 V to 30 V	—
<input type="checkbox"/> PCI-6519	INR 32,500.00	PCI	0	125 mA	16	-30 V to 30 V	16	-30 V to 30 V	—
<input type="checkbox"/> PCI-6520	INR 32,500.00	PCI	0	2 A	8	-30 V to 30 V	8	0 V to 60 V	—
<input type="checkbox"/> PCI-6521	INR 44,600.00	PCI	0	2 A	8	-30 V to 30 V	8	0 V to 150 V	—
<input type="checkbox"/> PCI-6528	INR 66,200.00	PCI	0	150 mA	24	-60 V to 60 V	24	0 V to 60 V	—
<input type="checkbox"/> PCIe-6509	INR 30,700.00	PCI Express	96	24 mA	0	0 V to 5 V	0	0 V to 5 V	—
<input type="checkbox"/> PCIe-6535B	INR 130,800.00	PCI Express	32	32 mA	0	0 V to 5 V	0	0 V to 5 V	10 MHz
<input type="checkbox"/> PCIe-6536B	INR 250,300.00	PCI Express	32	32 mA	0	0 V to 5 V	0	0 V to 5 V	25 MHz
<input type="checkbox"/> PCIe-6537B	INR 295,800.00	PCI Express	32	32 mA	0	0 V to 5 V	0	0 V to 5 V	50 MHz
<input type="checkbox"/> USB-6501	INR 9,400.00	USB 2.0	24	8.5 mA	0	0 V to 5 V	0	0 V to 5 V	—
<input type="checkbox"/> USB-6509	INR 41,700.00	USB 2.0	96	1.5 mA	0	0 V to 5 V	0	0 V to 5 V	—
<input type="checkbox"/> USB-6525	INR 29,700.00	USB 2.0	0	500 mA	8	-60 V to 60 V	8	0 V to 60 V	—

RELATED PRODUCTS



Digital Reconfigurable I/O Device

Starting from **INR 191,100.00**

Configures digital lines as inputs, outputs, counters/timers, or custom communication protocols using FPGA-based logic.



I2C/SPI Interface Device

Starting from **INR 46,900.00**

Connects to and communicates with devices using I2C, SMBus, and SPI protocols.



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