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Find the *National Instruments cFP-DIO-550* at our website: ***Click HERE***

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NI cFP-DIO-550

16-Channel Digital Input/Output Module for Compact FieldPoint

- 8 sinking/sourcing inputs, 11 to 30 VDC
- 7 mA current-limited input protection
- 8 sourcing outputs, 10 to 30 VDC, 250 mA per channel
- Output short-circuit protection
- -40 to 70 °C operating range



Overview

The National Instruments cFP-DIO-550 is an 8-channel digital input/output module. It can measure eight digital inputs with a range of 11 to 30 VDC and source eight outputs from 10 to 30 VDC with 250 mA per channel. The main benefit of this module is that it offers both digital input and digital output channels, effectively replacing two modules with one (DI + DO). This module provides 250 V CAT II safety isolation to backplane, and discrete sensor and actuator interfacing. This module also offers a user-selectable input filter to rejects noise, and has a range of 1 µs to 65 ms. Customers can also configure the module so that digital outputs turn on only when the states of digital input channels match specific patterns.

Specifications

Specifications Summary

General	
Product Name	cFP-DIO-550
Product Family	Industrial I/O
Part Number	777318-550
Operating System/Target	Windows , Real-Time
LabVIEW RT Support	Yes
Form Factor	Ethernet , Compact FieldPoint
Measurement Type	Voltage
Isolation Type	Bank Isolation
RoHS Compliant	No

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Analog Input	
Channels	0
Single-Ended Channels	0
Differential Channels	0
Analog Output	
Channels	0
Digital I/O	
Bidirectional Channels	0
Input-Only Channels	8
Output-Only Channels	8
Timing	Software
Logic Levels	24 V , 12 V
Input Current Flow	Sinking , Sourcing
Output Current Flow	Sourcing
Programmable Input Filters	Yes
Supports Programmable Power-Up States?	No
Current Drive Single	250 mA
Current Drive All	2 A
Input Impedance	42.9 kOhm
Output Impedance	200 MOhm
Supports Handshaking I/O?	No
Supports Pattern I/O?	No
Maximum Input Range	11 V , 30 V
Maximum Output Range	10 V , 30 V
Counter/Timers	
Counters	0
Physical Specifications	
Length	12.7 cm
Width	2.4 cm
Height	6.6 cm
Minimum Operating Temperature	-40 °C

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