NEIO-B1811/B1812

16ch Digital Input/Output EtherCAT Slave Module

NEIO-B1811

NEIO-B1812

Main Features

- Finger-safe wiring cover
- Detachable screw terminals
- Rotational pin-assignment marks
- On-module LED indicators

- User-friendly wiring label
- Multiple mounting methods
- 16ch digital input
- 16ch digital output

Product Overview

NEIO is a series of EtherCAT slave I/O modules for distributed industrial applications. Each module is equipped with high density I/O (up to 32 points) and powerful features in a compact size. DIN-rail design and daisy-chain wiring powered by EtherCAT technology make it easy to install NEIO modules in the field. NEIO provides wide variety of I/O combinations with standard ESI file so that users can always find suitable I/O modules for their high-speed EtherCAT-based applications.

Specifications

Digital Input

Model Name	NEIO-B1811	NEIO-B1812
Type	Sink	Sink/Source
Input Voltage	$24V_{DC}$	$24V_{DC}$
On-State Voltage, "1"	$15{\sim}30V_{DC}$ (IEC 61131-2 type 1) $11{\sim}30V_{DC}$ (IEC 61131-2 type 2/3)	$9{\sim}24V_{DC}/0{\sim}15V_{DC}$
Off-State Voltage, "0"	$0{\sim}5V_{DC}$ (IEC 61131-2 type 1/2/3)	$0{\sim}8V_{DC}/16{\sim}24V_{DC}$
Inpurt Filter	3 ms	1 ms

Digital Output

Model Name	NEIO-B1811	NEIO-B1812
Type	Sink	Source
Output Voltage	$24V_{DC}$	$24V_{DC}$
Load Type	Resistive,inductive	Resistive, inductive, capacitive
Max. Output Current	500 mA/ch	500 mA/ch
Switching Times	Off to On: 100 µs On to Off:150 µs	Off to On: 100 µs On to Off: 150 µs

Communication

- Protocol : EtherCAT
- Bus interface: 2 x RJ-45
- Media: Ethernet cable (min. CAT5), shielded
- Distance between stations: maixmum. 100m (100BASE-TX)
- Data transfer rate: 100M baud

Power Requirements

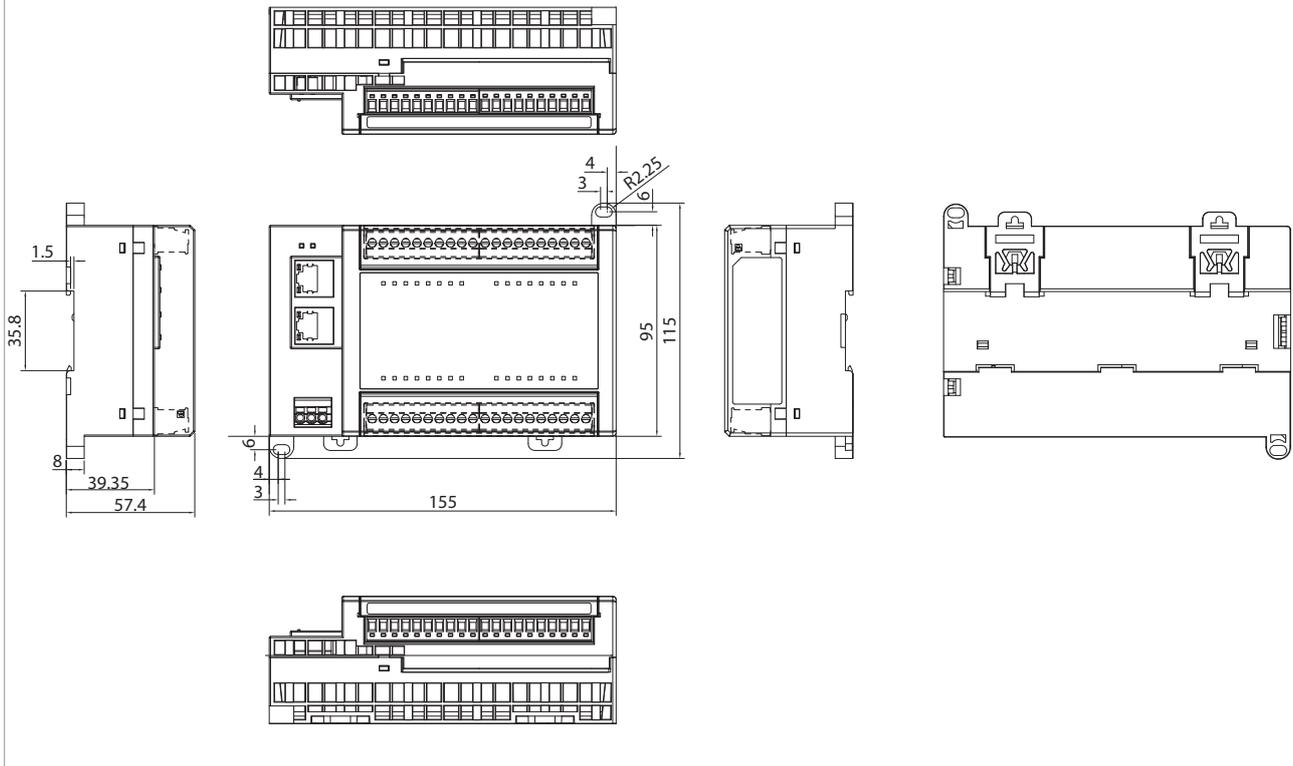- DC input range: DC 24V ±20% with over-voltage and reversed-voltage protection

Common Section

- Electrical isolation: 2.5 KV (power contact)
- Operating temperature: 0℃ to 55℃
- Storage temperature: -40℃ to 85℃
- Relative humidity: 5~95%, non-condensation, non-operating
- Shock: IEC 60068-2-27
- Vibration: IEC 60068-2-6, IEC 60068-2-64
- Enclosure type rating: IP20
- Mounting type: din-rail (35mm), wall-mount
- Dimesions (mm): 155 (W) x 115 (H) x 57.4 (D)

Certifications

- CE
- FCC Class A

Dimension Drawing

Ordering Information

- **NEIO-B1811 (P/N: 10J80181100X0)**
  16ch digital input/output (sink) EtherCAT slave module

- **NEIO-B1812 (P/N: 10J80181200X0)**
  16ch digital input/output (source) EtherCAT slave module

- **AC to DC din rail power supply (P/N: 7440060001X00)**
  60W 24V/2.5A for NISE

Last update: 07/03/2017