NEIO-B1201/B1202

32ch Digital Output EtherCAT Slave Module

NEIO-B1201

NEIO-B1202

Main Features

- Finger-safe wiring cover
- Detachable screw terminals
- Rotational pin-assignment marks
- On-module LED indicators
- User-friendly wiring label
- Multiple mounting methods

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 Output

Model Name	NEIO-B1201	NEIO-B1202
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 (daisy-chain)
- Media: Ethernet cable (min. CAT 5), shielded
- Distance between stations: maximum. 100m (100BASE-TX)
- Data transfer rate: 100M baud

Power Requirements

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

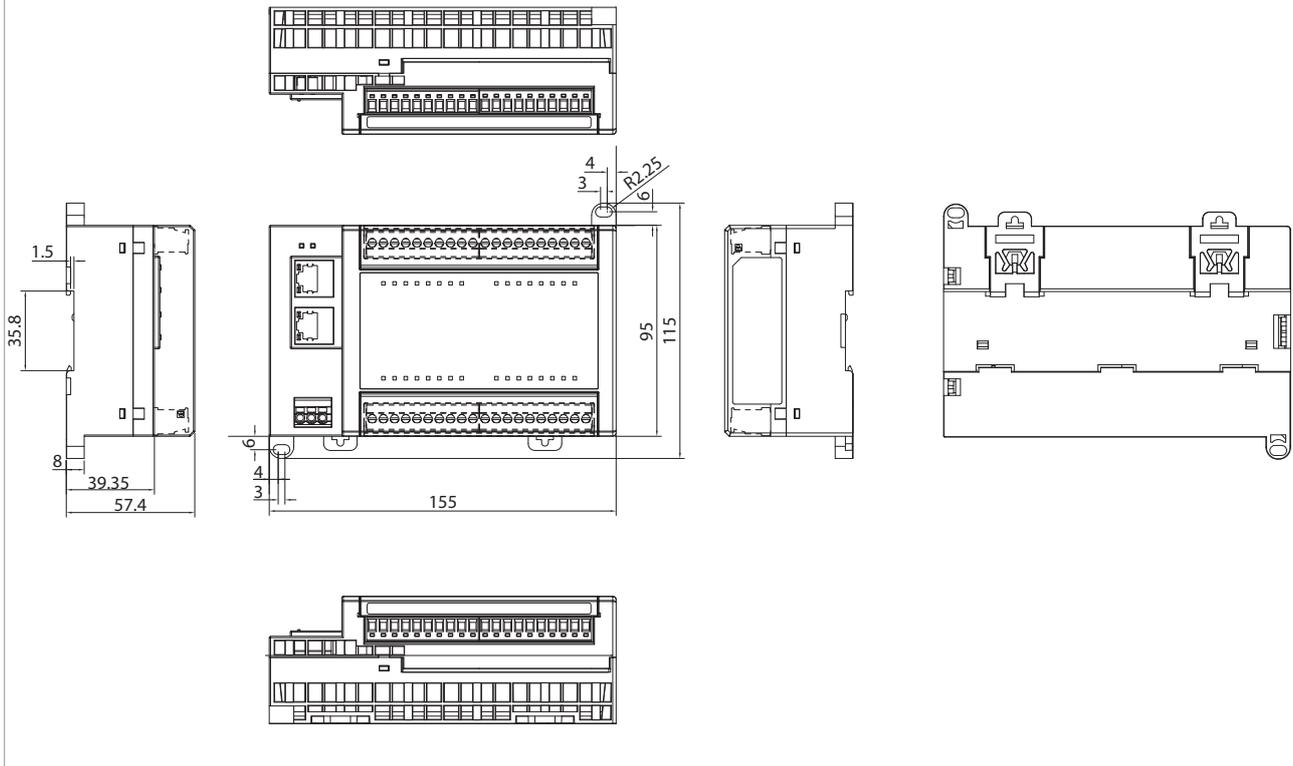| Model Name	NEIO-B1201	NEIO-B1202
Power Consumption	2~2.3 W	1.7~2.2 W
Input Current without Load	83 mA	72 mA
Input Current with full Load	96 mA	91 mA

Common Section

- Electrical isolation: 2.5 KV (power contact)
- Operating temperature: 0°C to 55°C
- Storage temperature: -40°C to 85°C
- 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-B1201 (P/N: 10J80120100X0)**
  32ch digital output (sink) EtherCAT slave module

- **NEIO-B1202 (P/N: 10J80120200X0)**
  32ch digital output (source) EtherCAT slave module

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