

# DN-8468 Series

Photo-isolated terminal board for ICPDAS four-axis stepper/servo controller



## DN-8468GB DN-8468MB DN-8468PB DN-8468YB DN-8468DB

**DN-8468GB is for general purpose usage**

**DN-8468MB is for Mitsubishi servo J2 Amplifier**

**DN-8468PB is for Panasonic servo minas A Amplifier**

**DN-8468YB is for Yaskawa servo Amplifier**

**DN-8468DB is for Delta ASDA A servo Amplifier**

## Functional Description

The DN -8468 series is a daughter-board that is designed for ICP DAS's 4-axes motion controllers, such as I-8094, I-8094F, I-8094A, I-8094H, and PISO-PS4000. And they are for different motor drivers, such as general purpose usage, Mitsubishi and Panasonic motor amplifier. It is not only a screw terminal board for easy connection of signals; it also provides onboard isolating circuitry to protect the controllers. Interface signals are divided into four groups. Each group corresponds to a single axis and contains the necessary pulse output command lines, encoder feedback lines, special purpose inputs (Home, near home, limit -switches) and a servo-enable output. Terminal connectors are used for easy wiring purpose. Users can interchange connectors to interchange each axial definition without laborious rewiring. This board also contains onboard power module which provides different voltages for other onboard circuitry. And this power module accepts wide range input power (12 ~ 30 VDC).

## Features

- High speed photo-coupling isolated.
- Supporting pulse command type step motors or servo motors.
- Providing power led and other status LEDs (home, limit switches, ...)
- Providing FRnet terminal for high-speed serial I/O expansion when the mother supports FRnet.

## Specifications

- **Nominal load** : 0.5 A /24 VDC
- **Input power** : 12 ~30VDC, 0.5A
- **Power Consumption** : 12 W (24 VDC)
- **Dimension** : 223.5mm X 135.5mm
- **Operating Temperature** : -20~+75 deg C
- **Storage Temperature** : -30~+85 deg C
- **Operating Humidity** : 20% to 80 % RH, non-condensing
- **Storage Humidity** : 10% to 90 % RH, non-condensing