BAS-3050
BAS-3051

8-ch DI, 8-ch DO Expansion Module

16-ch DI Expansion Module

Features

- Unique IO design for local & remote IO
- Supports 1 kHz counter input and 1 kHz frequency input (2 channels)
- Supports PWM output (2 channels) (BAS-3050 only)

Introduction

BAS-3050/BAS-3051 expansion I/O modules can be stacked on the DDC controller, or can serve as remote standalone I/O modules through an RS-485 network. These expansion I/O modules add both scalability and flexibility to Advantech BAS-3000 solutions. Like the DDC, I/O expansion modules can be programmed using the BASPro programming tool.

Specifications

General

- **Power Input** 24 V_{DC}/24 V_{AC}
- **Power Consumption** 3 W @ 24 V_{DC}

Digital Input

- **Channels** 8 (BAS-3050)/16 (BAS-3051)
- **Dry Contact Logic High** Close
- **Logic Low** Open
  Support 1 kHz Counter Input (2 channels)
  Support 1 kHz Frequency Input (2 channels)

Digital Output (BAS-3050 only)

- **Channels** 8 (Source Type)
- **Vcc** 10 ~ 35 V_{DC}, Current: 1 A (per channel)
- **Supports PWM output (2 channels)**
  Minimum Period 1 second (for PWM output)
  Minimum Pulse Width 0.1 second (for PWM output)

Protection

- **Isolation Voltage** 3,000 V_{DC}

Ordering Information

- **BAS-3050-AE** 8-ch DI, 8-ch DO Expansion Module
- **BAS-3051-AE** 16-ch DI Expansion Module

Common Specifications

General

- **Dimension (W x H x D)** 120 x 120 x 44 m
- **Enclosure** ABS + PC
- **Watchdog Timer** Yes
- **Operating Mode** 1. Connect to BAS-3520/3512 (Powered by BAS-3520/3512)
  2. Standalone as remote I/O devices (Need external power 24 V_{DC})
- **Communication** Local Bus (Connect to BAS-3520/3512)
  RS-485 (Standalone as remote I/O devices)

Environment

- **Operating Temperature** -10 ~ 60° C
- **Storage Temperature** -20 ~ 80° C
- **Operating Humidity** 20 ~ 95% (Non-condensing)
- **Storage Humidity** 0 ~ 95% (Non-condensing)