

APAX-5040

APAX-5045

24-ch Digital Input Module

24-ch Digital Input/Output Module

NEW



APAX-5040

RoHS
COMPLIANT
2002/95/EC

CE FCC

Specifications

General

- **Dimensions (W x H x D)** 30 x 139 x 100 mm
- **Weight** 160 g
- **Power Consumption** 2 W @ 24 V_{DC} (typical)
- **Status Display** LED per channel
On: Logic level 1
Off: Logic level 0

Digital Input

- **Channels** 24
- **Points per Common** 12
- **Type** Sink (Wet Contact)
- **Input Voltage** Rated Value: 24 V_{DC}
For "0" signal: -3 ~ 5 V_{DC}
For "1" signal: 15 ~ 30 V_{DC}
- **Input Impedance** 10 k Ω
- **Input Delay** From logic level 0 to 1: 0.2 ms
From logic level 1 to 0: 0.2 ms
- **Operating Frequency** 3 kHz
- **Input Filter** 3 ms

Protection

- **Isolation Between Channels and Backplane** 2,500 V_{DC}
- **Over Voltage Protection** ± 70 V_{DC}

Environment

- **Operating Temperature** -10 ~ 60° C (when mounted vertically)
- **Storage Temperature** -40 ~ 70° C
- **Relative Humidity** 5 ~ 95% (non-condensing)

Ordering Information

- **APAX-5040** 24-ch Digital Input Module
- **APAX-5001** 1-slot Backplane Module
- **APAX-5002** 2-slot Backplane Module
- **APAX-5343E** Power Supply for APAX Expansion Module

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Specifications

General

- **Dimensions (W x H x D)** 30 x 139 x 100 mm
- **Weight** 165 g
- **Power Consumption** 2.5 W @ 24 V_{DC} (typical)
- **Status Display** LED per channel
On: Logic level 1
Off: Logic level 0

Digital Input

- **Channels** 12
- **Points per Common** 12
- **Type** Sink (Wet Contact)
- **Input Voltage** Rated Value: 24 V_{DC}
For "0" signal: -3 ~ 5 V_{DC}
For "1" signal: 15 ~ 30 V_{DC}
- **Input Impedance** 10 k Ω
- **Input Delay** From Logic level 0 to 1: 0.2 ms
From Logic level 1 to 0: 0.2 ms
- **Operating Frequency** 3 kHz
- **Input Filter** 3 ms

Digital Output

- **Channels** 12 (Sink)
- **Output Voltage Range** 8 ~ 35 V_{DC}
- **Normal Output Current** 0.5 A (per channel)

Protection

- **Isolation between Channels and Backplane** 2,500 V_{DC}
- **Over Voltage Protection** ± 70 V_{DC} (for DI channel)
- **Short Circuit Protection (For DO channel)**
- **Thermal Shutdown Protection (For DO channel)**

Environment

- **Operating Temperature** -10 ~ 60° C (mounted vertically)
- **Storage Temperature** -40 ~ 70° C
- **Relative Humidity** 5 ~ 95% (non-condensing)

Ordering Information

- **APAX-5045** 24-ch Digital Input/Output Module
- **APAX-5001** 1-slot Backplane Module
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