



I-8088W

8-channel PWM Output And 8-Channel isolated DI Module

PWM (Pulse width modulation) is a powerful technique for controlling analog circuits. It uses digital outputs to generate a waveform with variant duty cycle and frequency to control analog circuits. I-8088W has 8 PWM output channels and 8 digital inputs. It can be used to develop powerful and cost effective analog control system.

Specifications

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|---|--------------------------------------|
| PWM Output | |
| Channels | 8-ch |
| Scaling Resolution | 16-bit(1 ~128 μ s for each step) |
| Frequency Range | 10 Hz ~ 500 kHz |
| Duty Cycle | 0.1% ~ 99.9% |
| PWM Mode | Burst Counting, Continuous mode |
| Burst Counter | 1~65535 |
| Hardware Trigger Mode | Trigger Start & Trigger Stop |
| Output Type | Source |
| Max Load Current | 1 mA |
| Intra-module Isolation, Field to Logic | 3750 Vrms |
| ESD Protection | 4 kV Contact for each channel |
| Digital Input | |
| Input Channels | 8(Sink/Source) |
| Input Type | One Common for All Digital Input |
| On Voltage Level | +5 V ~ +30V |
| Off Voltage Level | <0.8V |
| Input Impedance | 4.7 k Ω , 1/4 W |
| Intra-module Isolation, Field to Logic | 3750 Vrms |
| ESD Protection | 4 kV Contact for each channel |
| LED Display | |
| 1 LED as Power Indicator /16 LED as PWM and Digital Input Indicator | |
| Power | |
| Power Consumption | 40 mA @ 5 V, 2 W \pm 5% |
| Environment | |
| Operating Temperature | -25 ~ 75°C |
| Storage Temperature | -30 ~ 85°C |
| Humidity | 5 to 95% RH, Non-condensing |
| Dimensions | |
| 30mm x 102mm x 115mm (W x L x H) | |

Ordering information

I-8088W-G CR 8-channel PWM Output And 8-Channel isolated DI Module (Gray Cover) (RoHS)

Related Products

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|----------------------|--|
| Power Supply | 24V DC power supply |
| Learning Kit | Starter learning kit |
| Application Books | Application books designed with our products |
| Data Logger Software | User friendly data logger software (free) |