



## RPM-D24

Redundant Power Module 24 VDC input

### Features

- Power redundancy
- Over-voltage protection (5A Fuse)
- Built-in LED power indicator



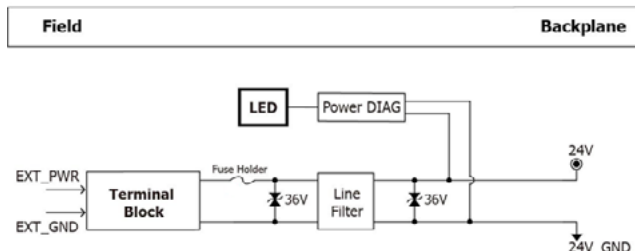
### Introduction

The RPM-D24 is a power supply module for the RIO-98x0 system. Designed for stable power supply, the RPM-D24 supports 24 VDC power input and can supply power to the communication and I/O modules in the system. The overvoltage protection mechanism includes a 5A fuse to prevent overload conditions, and the RPM-D24 is equipped with an LED indicator to show the status of the external 24 VDC voltage input, and 3000 VDC isolation protection to ensure safe isolation between the power input and the backplane bus. In addition, the dual power supply design further enhances the stability of the system, ensuring that the RIO-98x0 system can operate stably under various operating conditions.

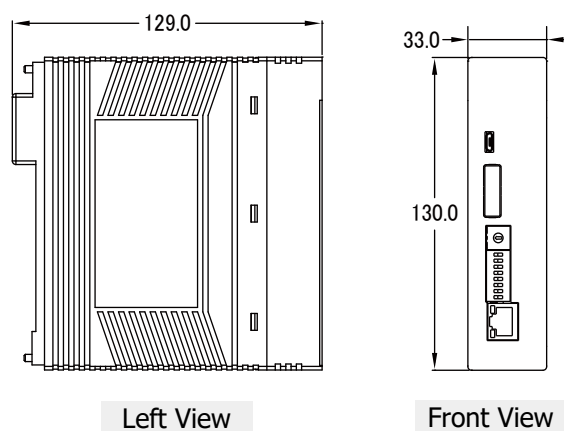
### Specifications

| Features              |                             |
|-----------------------|-----------------------------|
| Voltage Input         | 24 VDC $\pm 10\%$           |
| Short Protection      | Fuse, 5A                    |
| Conducted Emission    | EN55022 Class A             |
| Radiated Emission     | EN55022 Class A             |
| Redundancy            | Yes                         |
| Power Consumption     | 0.24W (0.01A@24VDC)         |
| Certification         |                             |
| Emission              | IEC 61000-6-4               |
| Immunity              | IEC 61000-6-2               |
|                       | IEC 61000-4-3               |
|                       | IEC 61000-4-4               |
|                       | IEC 61000-4-6               |
|                       | IEC 61000-4-9               |
|                       | IEC 61000-4-10              |
|                       | IEC 61000-4-12              |
| General               |                             |
| Operating Temperature | -25 ~ 70 °C                 |
| Storage Temperature   | -30 ~ 75 °C                 |
| Humidity              | 5 ~ 95 % RH, Non-condensing |
| Dimensions (WxLxH)    | 33mm x 129mm x 130mm        |

### I/O Structure



### Dimensions (Units: mm)



### Ordering Information

|                   |  |
|-------------------|--|
| <b>RPM-D24 CR</b> | Redundant Power Module 24 VDC input (RoHS) |
|-------------------|--|