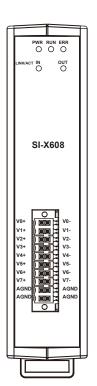


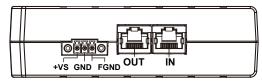
SI-X608

# **Pin Assignment**



# I/O Connector (JIO1)

Pin No.	Signal	Pin No.	Signal
2	V0+	1	V0-
4	V1+	3	V1-
6	V2+	5	V2-
8	V3+	7	V3-
10	V4+	9	V4-
12	V5+	11	V5-
14	V6+	13	V6-
16	V7+	15	V7-
18	AGND	17	AGND
20	AGND	19	AGND



# LAN1 and LAN2 Port (IN, OUT)

Signal			
TX1+			
TX1-			
RX1+			
NC			
NC			
RX1-			
NC			
NC			

# **DC-IN Connector (JPWR1)**

Pin No.	Signal	
1	DC-IN	
2	GND	
3	GND_Shield	



# SI-X608

8-Channel Isolated Analog Input EtherCAT Slave I/O Module

# **Overview**

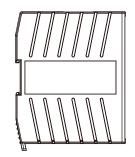
(Unit: mm)

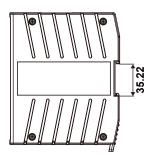
**Front View** 

# **Rear View**

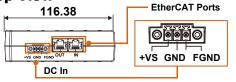
# **Side View**

# System Status Indicators 139.67 I/O Terminal Block



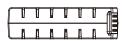


# **Top View**



See the notes below and connect the pins of the terminal block properly.

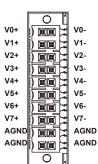
# **Bottom View**



### Notes:

- 1. It is recommended connecting FGND PIN to functional earth via a cable.
- 2. DO NOT connect GND PIN and FGND PIN of the terminal block together as they might have potential differences which might cause signal interferences.

# I/O Terminal Block Pin Assignment



The I/O pins are located on the lower front section of SI-X608.

# **Quick Setup**

# **Installing DIN-RAIL Mount** Ø

- Step 1. Use 35mm DIN-RAIL and install it into the groove located on the rear side of the system.
- Step 2. Push the bottom hinge upwards to secure DIN-RAIL onto the system.

The DIN-RAIL Mount installation is then completed.

# **Safety Precaution**

The following messages are reminders for safety on how to protect SI-X608 from damages and extend a long life for SI-X608.

1. Check the Cable Voltage

- The range of operating voltage should be DC 9~48V. Otherwise, the SI-X608 module could be damaged. 2. Environmental Conditions
- Install DIN-Rail Mount on SI-X608. Be sure to allow enough space to have easy access around SI-X608.
- Avoid exposure to sunlight for a long period of time or in an airtight space.
- · Avoid SI-X608 from any heating device or using SI-X608 when it's been left outdoors in a cold winter day.
- Avoid moving SI-X608 rapidly from a hot place to a cold place and vice versa because condensation may come from inside
- Don't place SI-X608 close to any radio-active device in case of signal interference.
- Avoid putting heavy objects on top of SI-X608

· Do not turn SI-X608 upside down

## 4. Good Care

- When the outside of the case is stained, remove the stain with a neutral washing agent with a dry cloth.
- · Never use strong agents such as benzene and thinner to clean SI-X608.
- If heavy stains are present, moisten a cloth with diluted neutral washing agent or with alcohol and then wipe thoroughly with a dry cloth.
- If dust has been accumulated on the outside, remove it by using a special vacuum cleaner for computers.

WARNING! Some internal parts of SI-X608 may have high electrical voltage. And therefore we strongly recommended that qualified engineers can open and disassemble SI-X608.