SUNIX

EZIAINN80

8-ch Analog Input
Industrial DevicePort I/O

Introduction

SUNIX EZIAINN80 utilizes SUNIX EAZInet networking technology to quickly expand 8 analog Input signals via Ethernet, allowing users to conveniently implement automation, swiftly incorporate the Internet of Things into their businesses, and raise their competitiveness.

SUNIX EZIAINN80 does not require IP setting and supports full network topology, which substantially lightens the burden of network planning and management, shortens the hardware deployment process, and enables subsequent expansions to be executed more flexibly.

SUNIX EZIAINN80 is capable of automatic device enumeration, which allows the console terminal to quickly search for terminal devices, thus enabling plug-and-play functionality. This greatly improves the convenience of system development for users.

Features

- 8-ch analog-in
- Built-in with SUNIX High-Performance Ethernet-IO controller
- Built-in dual 10/100 Ethernet ports for Ethernet cascading capability
- IP setting not required, enabling convenient and quick deployment configuration
- Supports daisy chain network topology for flexible and quick I/O expansion
- Automatic device enumeration mechanism facilitates terminal device networking
- Supports wall or rail (DIN) mounted

Common Specifications

LAN

Ethernet: 2-port 10/100 Mbps RJ45 ports

Protection: 1.5 KV magnetic isolation

Protocols: SUNIX EAZInet

Power Requirements

Input Voltage: 5 to 48 VDC

Connector: 6 PIN Terminal Block

***Support 2 ports input power & relay output**

***Support OVP**

Note: the high-voltage power input priority

first ,when multiple power inputs

Environmental Limits

Operating Temperature:

    -40 to 75°C (-40 to 167°F)

Storage Temperature:

    -40 to 85°C (-40 to 185°F)

Operation Humidity:

    10 to 95% (non-condensing)

Certifications

- **CE**
- **FCC**
- **VCCI**
- **BSMI**

AI specifications

Analog Input

Channels: 8

Voltage Range: ±100 mV ±500 mV,

    ±1 V , ±5 V, ±10 V

    0~100 mV, 0~500 mV,

    0~1 V , 0~5 V, 0~10 V

Current Range: ±20mA, 4~20mA

Sampling Rates: 20 Samples/Second Total

Input Impedance:

- **2MΩ：±100mV, ±500mV, ±1V,**
      0~100mV, 0~500mV, 0~1V
- **2.0MΩ：±5V, ±10V,**
      0~5V, 0~10V
- **120Ω：±20mA, 0~20mA**

Resolution: 16-bit

Accuracy: ±0.1% FSR

Span Drift: ±25 ppm/℃

Zero Drift: ±6 μV/℃

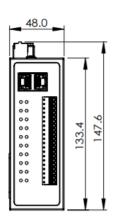**Input Voltage Protection: Built-in TVS/ESD Protection**

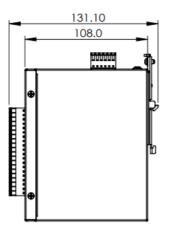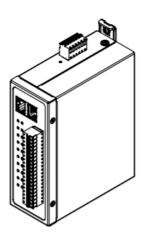**Connector Pin Assignment: refer to Quick Installation Guide**

Physical Characteristics

Dimension: 48.0 x 147.6 x 131.1 mm (1.89 x 5.81 x 5.16 in)

Weight: 615g +-5%

Package contents

- SUNIX Industrial DevicePort I/O product x1
- Quick Installation Guide x1