



No image available

- Supports both Analog and Digital I/O.
- RS485 interface for long-distance communication.
- Optical isolation ensures signal protection.
- Reliable operations in harsh environment.

Introduction

Our I/O unit i.e. combination of Analog and optically isolated Digital I/O Modules with RS485 Interface and Isolation offer reliable data transfer for industrial automation. These modules support analog and digital I/O applications, providing long-distance communication and protection against electrical interference, ensuring safe and efficient operation in harsh environments.

Specifications

IO Unit and Power

Operating Voltage	+9V to +27V
Power Isolation for RS485	1.5 kV Galvanic
Certifications	RoHS
Number of IO (per card)	8
Operating temperature	10°C to 65°C
Storage temperature	0°C to 85°C

Serial Interface

Number of Ports	3
Serial Standard	RS485
Modbus Support	Yes (RTU)
Baud Rate	Custom (Default 115200)
Parity	None, Even, Odd
Data Bits	8, 9 bit(including parity)
Stop Bits	1, 2
Serial Signal	RS485: 2W D+, D-,GND
Terminating Resistor for RS485	120 ohm
RS485 Data Direction Control	ADDC (Automatic Data Direction Control)
Galvanic Isolation	2.5 kV

Analog Input

Number of Inputs	16
Input Type	Single Ended
Input Range	0 – 5v
Resolution	12bit

Analog Output

Number of Outputs	16
Output Type	Single Ended
Output Range	4 – 20mA
Resolution	12bit

Digital Input

Number of Inputs	16
Isolation	Yes (optical)
Contact type	Wet contact
Output range	24 V
Logic Level 1	Min. 6v
Logic Level 0	Max. 5v
Type of Inputs	Sinking

Digital Output

Number of Outputs	32
Output Type	Relay output 1 Form A (SPDT)
Isolation	Yes (optical)
Contact Material	AgSnO2,AgNi
Contact Rating	5A 250VAC/30VDC
Mechanical Life Expectancy	2 x 10 ⁷ operations
Electrical Life Expectancy	5 x 10 ⁴ operations

RTD

Channels	4
Input Connections	2/3/4 wire
Input Type	Pt100/Pt1000
Pt100 Temperature Range	-200°C - 850°C
Pt1000 Temperature Range	-70°C - 550°C
Accuracy	0.5°C

Order Information

Part No.	Description
AT-7061	RTU System with I/O Slave

