Rugged Embedded

ETHY-100 Series

Decentralized I/O Expansion with Dual Ethernet Ports

Key Features

· Rich I/O combination and decentralization
· Daisy chain for both data and power
· Direct wiring and removable terminal block
· I/O status indicators and user definable button
· Built-in configurable I/O functions

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Introduction

ETHY-100-2008S is a system expansion I/O module featuring 8 digital input/ output and status monitor/ indicator. It conforms to the IEEE 802.3at Power Device (PD) specifications and can be driven by a standard Power Sourcing Equipment (PSE). It can be daisy-chained to transfer data and provide power to expand your system while the removable terminal blocks are useful when adding/ removing the device into/ out of awkward or remote locations. In addition to being a powerful external I/O module, ETHY-100-2008S also provides a friendly application programming interface (API) and designated mechanisms which allow users to configure a responsive automate system with low latency and high in performance. ETHY-100-2008S is the best automation solution.
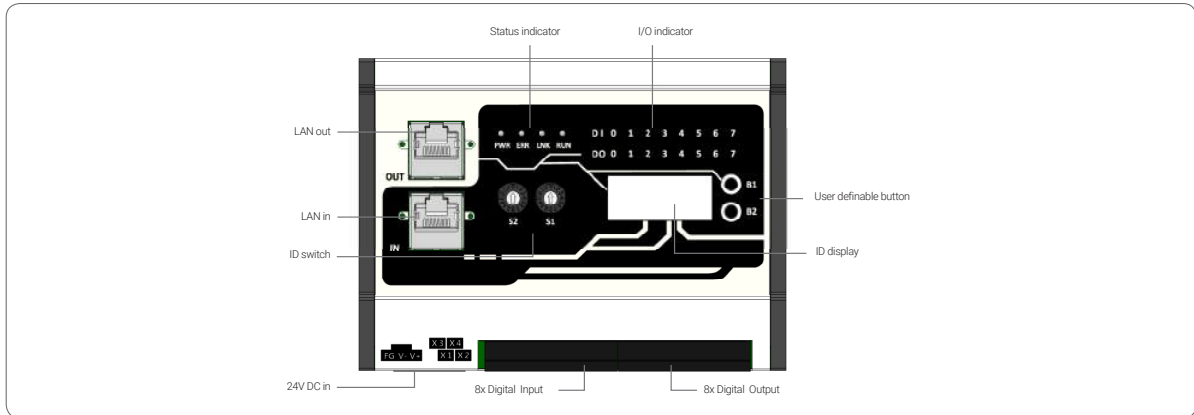
Specifications

	ETHY-100-2008S	ETHY-100-2604S
General		
Module Status Indicator	4 LEDs	
I/O Status Indicator	1 LED for each channel	
I/O Connectors	4 removable 3.81 mm connectors	
Communication Interface	2 Ethernet ports	
Digital Input		
Channels	8 channels	
Input Type	Sinking/sourcing, channel-to-channel isolated	
Input Voltage	Logic Level 0: 0 to 5V Logic Level 1: 11 to 30V	
Isolation Voltage	2500 VDC	
Digital Output		
Channels	8 channels	4 channels
Output Type	Sink	Relay
Rated Output Voltage	24VDC	24VDC
Rated Output Current	100mA per channel	1 A per channel
Max. Output Current	500mA	2.5A
Isolation Voltage	2500 VDC	2500 VDC

	ETHY-100-2008S	ETHY-100-2604S
OS Support		
Windows	Windows 7/10 32/64-bit	
Power		
PoE PD	IEEE 802.3at PoE+ PD	
DC Input	24VDC ±10%	
Power Consumption	3W	
Mechanical		
Dimensions	125.4mm (W) x 101.8mm (H) x 25.9mm (D) (including connectors)	
Weight	450g	
Environmental		
Operating Temperature	-25°C ~ 70 °C	
Storage Temperature	-40°C ~ 85 °C	
Humidity	10~90%, non-condensing	
EMC	CE/FCC Class A according to EN50024 & EN50032	

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ETHY-100 Series

Appearance

- Status indicator
- I/O indicator
- LAN out
- User definable button
- LAN in
- ID display
- ID switch
- 24V DC in
- 8x Digital Input
- 8x Digital Output

Dimensions

Unit : mm

91.8

125.4

29.5
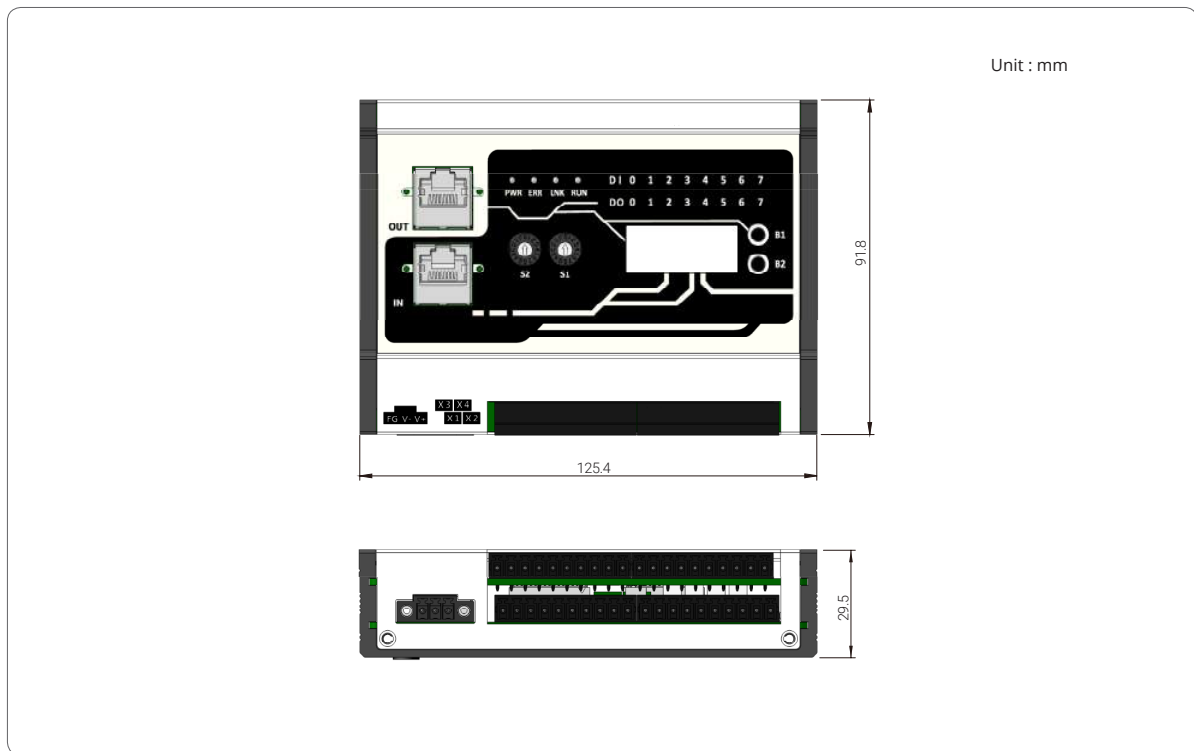
Ordering Information

Model No.	Product Description
ETHY-100-2008S	Ethernet I/O expansion module with 8 isolated digital inputs and outputs
ETHY-100-2604S *(Coming soon!)*	Ethernet I/O expansion module with 8 isolated digital inputs and 4 relays outputs

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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