

MINI2 series IO module



Product introduction

Product overview

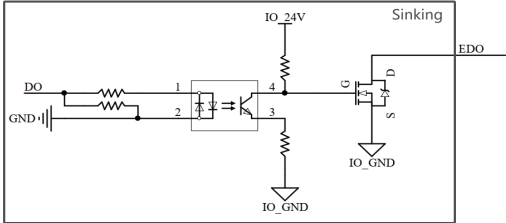
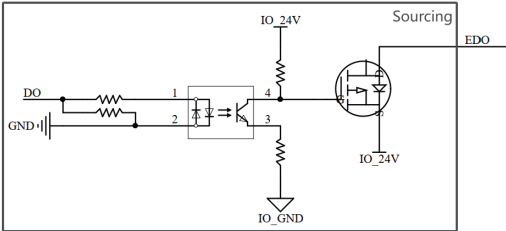
The MINI series I/O modules from Lingchen Technology are suitable for various control and data collection applications. These modules occupy minimal space, offer high real-time performance, and come in a wide range of types, including digital I/O, analog I/O, temperature modules, and communication modules, catering to users' diverse and scenario-specific needs.

Product characteristics

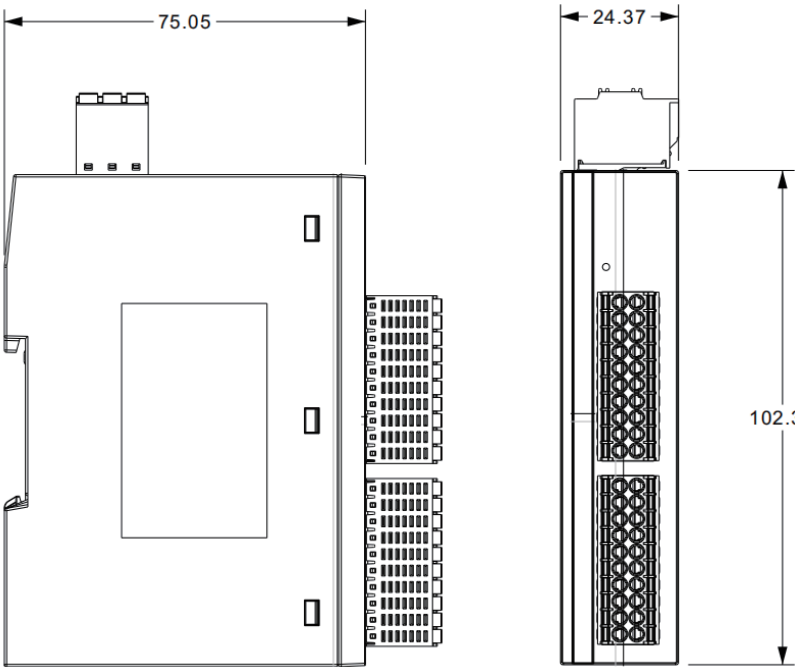
- Diverse categories, supporting flexible expansion
- Compact in size, it enhances user efficiency in wiring and installation
- The configuration is simple, and maintenance and inspection are convenient

Product specification

Digital input	
Input channel	Depending on the model
Input type	NPN/PNP configurable
Input voltage	Rated 24VDC (21V~28V DC)
Input current (typical)	3.5mA (typical value at 24V)
Input impedance	6.8KΩ
Logic 1 signal (minimum)	>15V DC (voltage difference between input terminal and COM terminal)
Logic 0 signal (maximum)	<5V DC (voltage difference between input terminal and COM terminal)
Hardware response time ON/FF	100us/100us(Max)
Input response frequency	500Hz± Max ±
Software filtering	Support, configurable
Whether to isolate	Optocoupler isolation, 3750Vrms
Indicator light	1 green LED per channel
General Input Circuit Diagram	

Digital output	
Output channel	Depending on the model
Output type	Leakage type (NPN) output
	Source type (PNP) output
Output voltage	24V DC
Output current	0.5A/channel (maximum), 2A/8 channels
Port protection	overcurrent protection
Output switch frequency	500Hz (Max)
Connected state impedance	0.2Ω
Whether to isolate	Optocoupler isolation, 3750Vrms
Indicator light	1 green LED per channel
Schematic diagram of leakage type (low side) output circuit	
Schematic diagram of source type (high side) output circuit	

Dimension drawing



Ordering information

Category	Model	Instructions
Digital IO	LCTE-MINI2-IO16	16 inputs (NPN/PNP) and 16 outputs (NPN output)
	LCTE-MINI2-IO16-P	16 inputs (NPN/PNP) and 16 outputs (PNP output)
	LCTE-MINI2-IN32	32 inputs (NPN/PNP)
	LCTE-MINI2-OUT32	32 output (NPN)
	LCTE-MINI2-OUT32-P	32 output (PNP)
	LCTE-MINI2-IO8	8 inputs (NPN/PNP) and 8 outputs (NPN output)