

M-6026U-32

16-channel Universal Input and 16-channel Universal Output

Features

- 16-channel Universal Input and 16-channel Universal Output
- Status LED for each Universal Input and Output Channel
- Each Universal Input point can be configured as analog input, digital input or counter input
- 100 VDC Overvoltage Protection for each Universal Input Channel
- Open Wire Detection for +4 to +20 mA Output channels
- Supports the Modbus RTU Protocol
- DIN-Rail or Wall Mounting
- Easy Mounting and Connection
- Space-saving Design



Introduction

The M-6026U-32 is a 16-channel Universal Input and 16-channel Universal Output distributed I/O module that provides a wide variety of input, output, and smart control solutions, all of which are based on a single universal hardware platform. The M-6026U-32 module combines both the input and the output on the same board, saving both time and space when both are at a premium, meaning the space requirements for I/O boards can be reduced by as much as 50%. Traditional I/O board schemes typically required separate input and output boards to be mounted within an enclosure, increasing the time to mount the boards and the cost of installation. The M-6000 I/O board series are communications devices that can be used to connect to facility management systems to enable control of refrigeration, HVAC, and lighting systems.

Applications

- Heating system in buildings
- Ventilation system
- Air-conditioning system
- HVAC control, lighting control, door monitoring

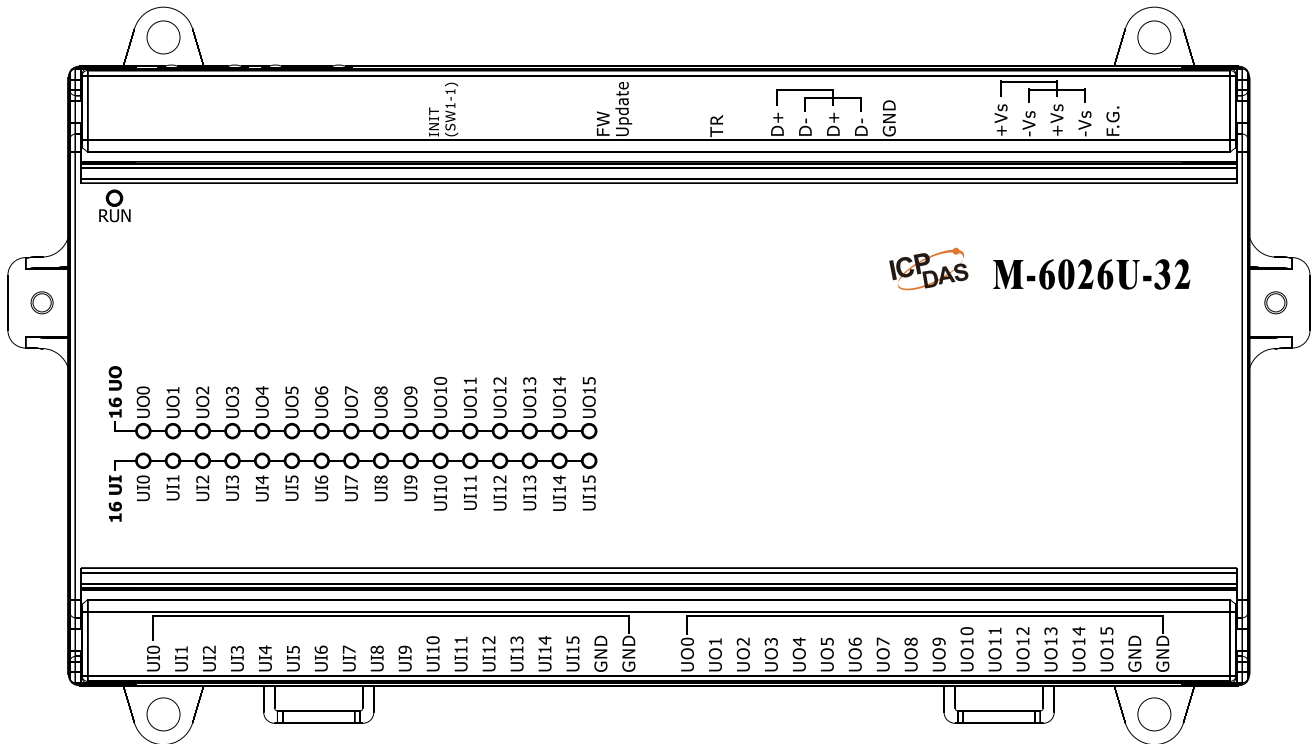
System Specifications

RS-485	
Interface	RS-485 x 1
Format	N, 8, 1
Baud Rate	1200 to 115200 bps
Protocol	Modbus RTU
Dual Watchdog	Yes, Module (2.3 seconds), Communication (Programmable)
EMS Protection	
ESD (IEC 61000-4-2)	±4 kV Contact for each Terminal
	±8 kV Air for Random Point
Power Requirements	
Power from Terminal Block	24 VAC or 24 VDC
Fuse Protection	1 A
Power Consumption	14 W Max.
Mechanical	
Dimensions (W x L x H)	237 mm x 134 mm x 59 mm
Environment	
Operating Temperature	-25 to +75°C
Storage Temperature	-40 to +80°C
Humidity	10 to 95% RH, Non-condensing

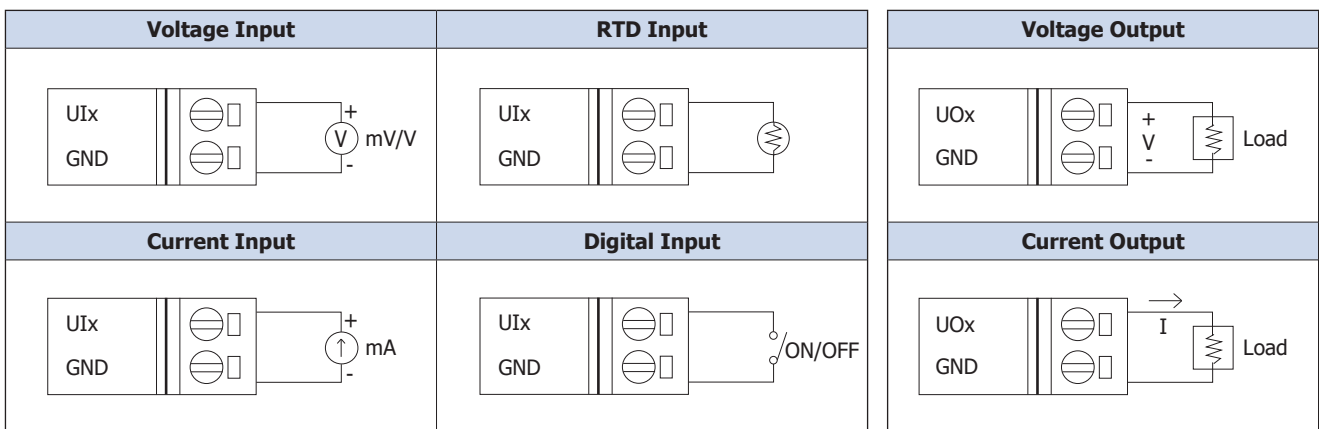
I/O Specifications

Universal Input		
Channels	16	
Type	0 to +2.5 V, 0 to +5 V, 0 to +10 V, 0 to +20 mA, +4 to +20 mA, Pt1000	
Resolution	16-bit	
Accuracy	±0.1% of FSR	
Digital Input	ON Level	Close to GND
	OFF Level	OPEN
Overvoltage Protection	100 Vdc	
Universal Output		
Channels	16	
Type	0 to +20 mA, +4 to +20 mA, 0 to +10 V	
Resolution	12-bit	
Accuracy	±0.2% of FSR	
Voltage Output Capability	10 V@ 20mA	
Open Wire Detection for Current Output	Yes, Only +4 to +20 mA	

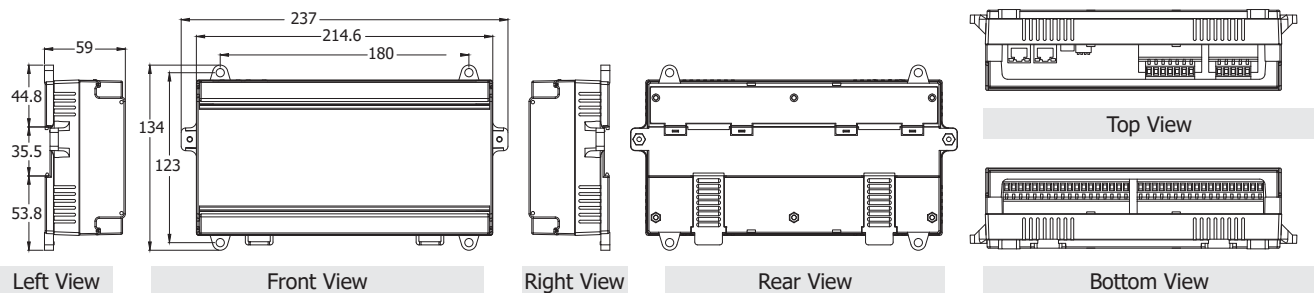
Pin Assignments



Wire Connections



Dimensions (Units: mm)



Ordering Information

M-6026U-32 CR	16-channel Universal Input and 16-channel Universal Output Module (RoHS)
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