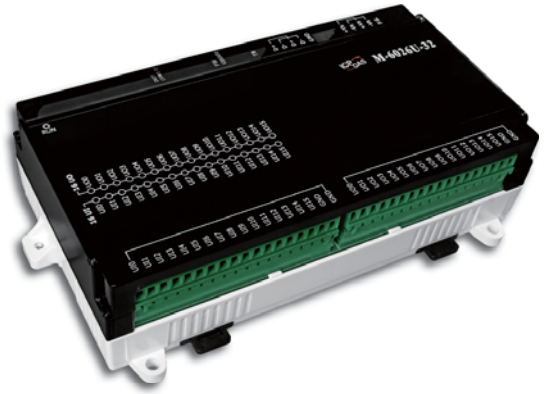


M-6026U-32

16-channel Universal Input and
16-channel Universal Output Module

Features

- Universal Inputs and Universal Outputs
- Status LED for Universal Inputs and Outputs
- Each Universal Input Channel Can be Used as an Analog Input or Digital Input
- Supports the Modbus RTU Protocol
- Easy Mounting and Connection
- Provides I/O 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

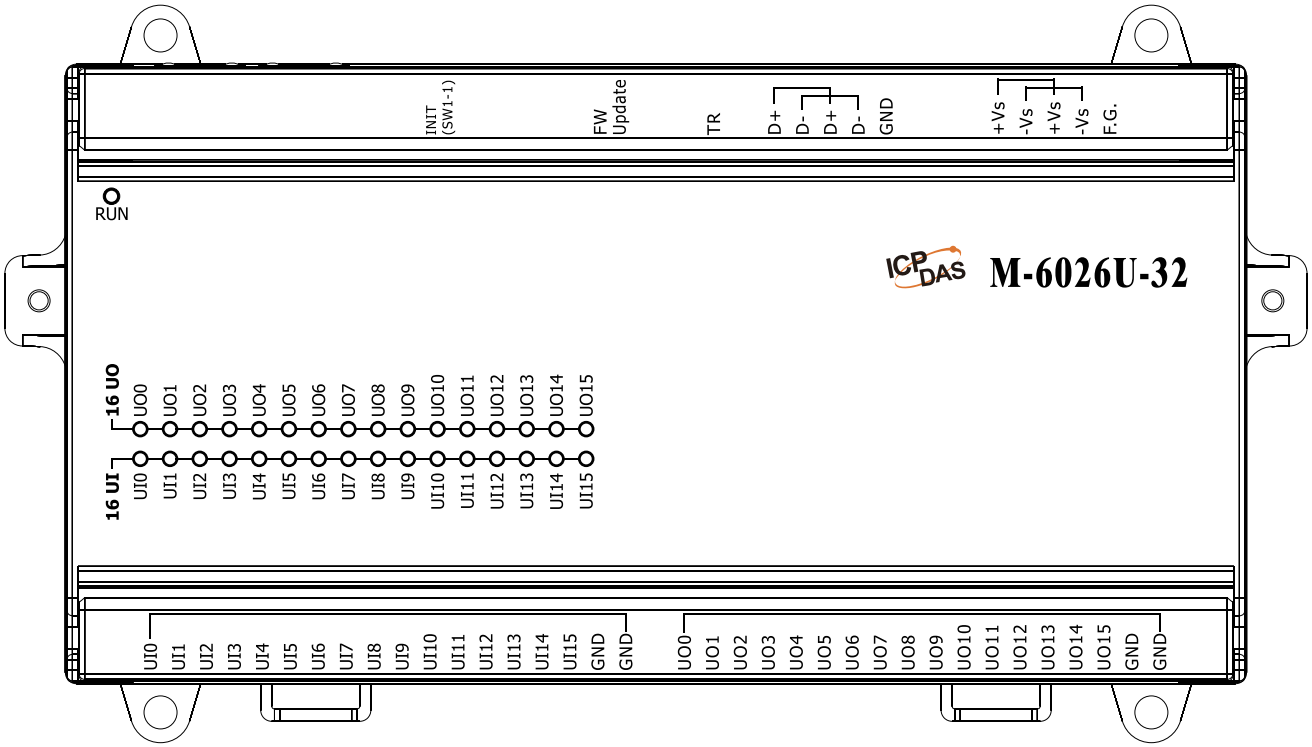
CPU Module	
Watchdog Timer	Module, Communication (Programmable)
Isolation	
Intra-module Isolation	3000 VDC
EMS Protection	
ESD (IEC 61000-4-2)	±4 kV Contact for each Terminal ±8 kV Air for Random Point
LED Indicators	
Status	1 x Power and Communication
COM Ports	
Ports	1 x RS-485
Baud Rate	1200 ~ 115200 bps
Data Format	(N, 8, 1)
Protocol	Modbus RTU
Power	
Consumption	14 W Max.
Powered from Terminal Block	24 VAC or 24 VDC
Mechanical	
Dimensions (mm)	237 x 134 x 59 (W x L x H)
Installation	DIN-Rail Mounting
Environment	
Operating Temperature	-25 ~ +75 °C
Storage Temperature	-40 ~ +80 °C
Humidity	10 ~ 95% RH, Non-condensing

I/O Specifications

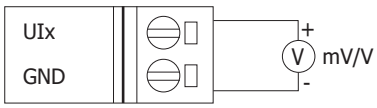
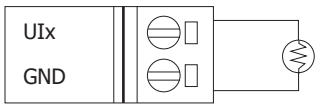
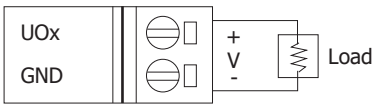
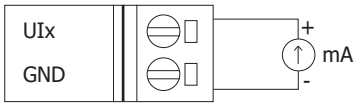
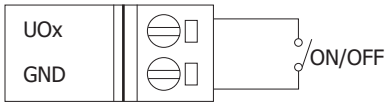
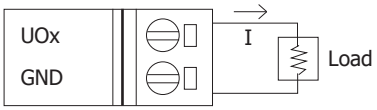
Analog Input		
Channels		16, universal for AI and DI
Type	Voltage	0 ~ +2.5 V, 0 ~ +5 V, 0 ~ +10 V
	Current	0 ~ 20 mA, 4 ~ 20 mA
	RTD	Pt1000
Resolution		16-bit
Accuracy		±0.1% of FSR
Overvoltage Protection		100 VDC
Analog Output		
Channels		16
Type	Voltage	0 ~ +10 V
	Current	0 ~ 20 mA, 4 ~ 20 mA
Resolution		12-bit
Accuracy		±0.2% of FSR
Open Wire Detection		For 4 ~ 20 mA only
Voltage Output Capability		10 V @ 20 mA
Digital Input		
Channels		16, universal for AI and DI
Type		Dry Contact
ON Voltage Level		Close to GND
OFF Voltage Level		Open
Fuse Protection		1 A

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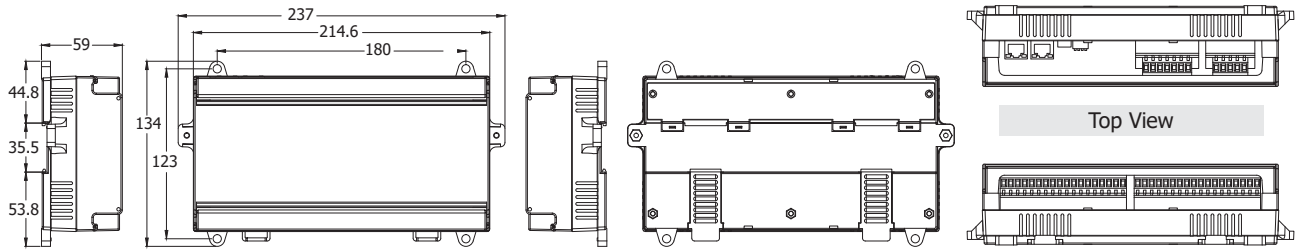
Pin Assignments



Wire Connections

Voltage Input	RTD Input	Voltage Output
		
Current Input	**Digital Input**	**Current Output**
		

Dimensions (Units: mm)



Ordering Information

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

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