

# MIO-8288

## Quick Start Guide

### 1. Overview

The MIO-8288 is much more than just a Data Logger. It is the next generation in data acquisition hardware.

The MIO-8288 comes standard with a selection of four different interface ports. These can be used to control the units 8 analog input channels, 2 analog output channels, 8 optically isolated digital inputs and 8 electro mechanical relay outputs. All IO's are fitted with removable screw terminals blocks for easy and fast installation.

The MIO-8288 provides the user with the option of setting the analog input from +/-10 Volt input range to 4-20mAmp input range with the flick of a switch. No external components or accessories are needed.

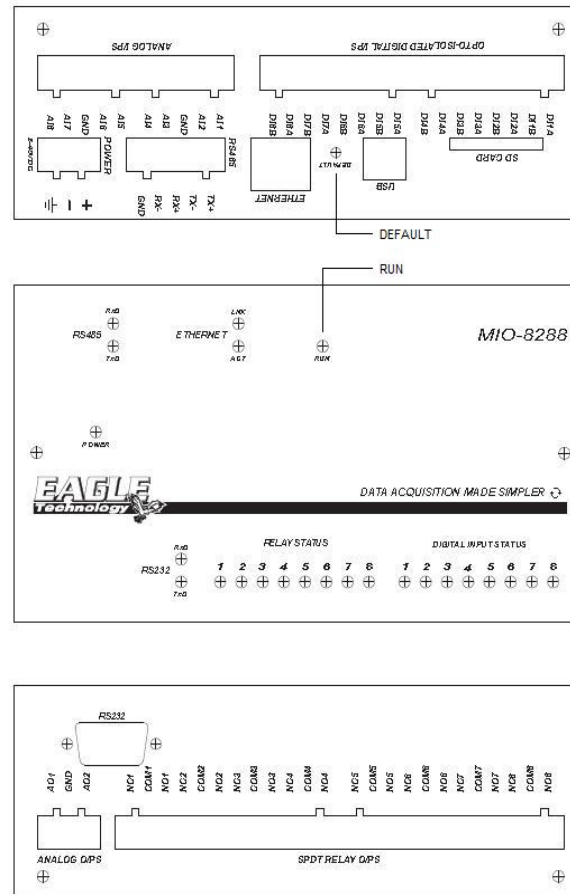
The MIO-8288 uses an SD Card for data storage, providing it with stand-alone data logging capability. Data logger setup is done in a web browser and the data is saved on the SD Card in CSV (comma separated value) format that can be easily loaded into any spreadsheet. No driver or any software installation necessary.

### 2. What's in the Box

- MIO-8288 Multi IO DAQ unit.
- Documentation / Software CD.
- DIN Rail Mounting Kit.
- Quick Start Guide.

### 3. Hardware Introduction

MIO-8288 Panel View



**DEFAULT Button** – Press the **DEFAULT** button continuously for 10 seconds to load the factory default IP settings: Use a pointed object, such as a straightened paper clip or toothpick, to press the DEFAULT button. This will cause the RUN LED to stop blinking. The LED will change state after 10 seconds and the default IP settings will be loaded. At this state you should release the DEFAULT button. To finish loading the default setting, a Hardware Reset should be done.

Description	Default Settings
IP Address	192.168.0.2
GATEWAY	192.168.0.1
NET MASK	255.255.255.0

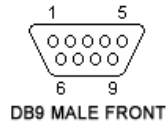
### 4. Getting Started

1. After removing the MIO-8288 from the box, connect the power.
2. Connect the MIO-8288 to a network. Use a standard straight-through Ethernet cable to connect to a Hub or Switch. When setting up or testing, you might want to connect directly to your computer's Ethernet port. In this case a cross-over Ethernet cable should be used.
3. Check you network or computer's, depending where the MIO-8288 is connected to, IP settings.
4. Open your internet browser and enter the default IP address. (192.168.0.2) The MIO-8288 Home Page should be displayed in the internet browser.

## 5. Pin Assignments

### RS-232 DB9 Male

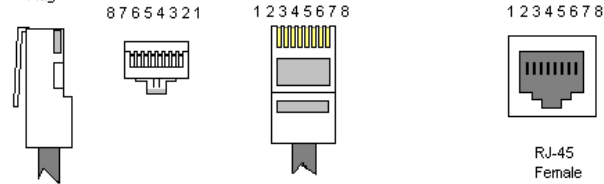
Pin Number	RS-232 Signal
2	RXD
3	TXD
5	GND
7	RTS
8	CTS



### Ethernet Port RJ45

Pin Number	Ethernet Signals
1	TD+
2	TD-
3	RD+
4	TDCT
5	RDCT
6	RD-
8	GND

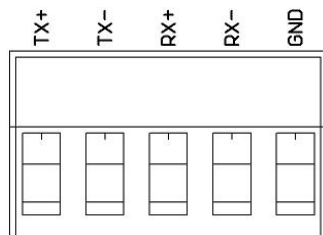
RJ-45 Male Plug



RJ-45 Female

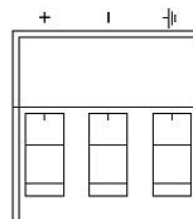
### RS-485 Screw Terminal

Pin Number	RS-485 Signal
1	TXD+
2	TXD-
3	RXD+
4	RXD-
5	GND



### Power Connections

Pin Number	Power Signal
1	+ Power Supply
2	- Power Supply
3	EARTH



## 6. Environmental / Physical

Power Requirements	8 to 40 VDC, 4.2W Max
Operating Temperature	0 to 55°C ( 32 to 131°F )
Operating Humidity	5% to 90% ( non-condensing )
Dimensions ( W x D x H )	163 x 108 x 60 mm ( With Feet )
	6.42 x 4.25 x 2.36 in
	163 x 108 x 70 mm ( DIN Rail )
	6.42 x 4.25 x 2.75 in
SD Card	2 Giga Byte Max
Magnetic Isolation	1.5 KV for Ethernet
Optically Isolation	2.5 KV for Digital Inputs



MIO-8288 Multi-Function Data Acquisition  
Logger

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