



Compatibility Report

Control IO-Link Master



Parker Hannifin P2M IO-Link Node



Table of Contents

Test Report Overview3

IO-Link Master - IO-Link Diagnostics Page3

Configuring IO-Link Settings4

 After Configuring Port Names5

Setting Up Passwords.....6

P2M IOL Configuration7

 Obtaining the IODD File7

 Loading IODD Files.....8

 Verifying That the Correct IODD Files Are Loaded.....10

 Changing Parameters on the P2M with the GUI.....11

 Changing Parameters Using the ISDU Interface12

 Viewing Other Device Properties13

 Data Storage Setup for the Device14

Using the Device Validation Feature.....18

 Device Validation Set Up18

Test Report Overview

Upon connection, the **Parker P2M IO-Link Node** was immediately powered by the **Control IO- Link Master**. After initializing the P2M for IO-Link operations, the sensor displayed in the Control IO-Link Diagnostics web page.

This report contains the following topics:

- IO-Link Master – **IO-Link Diagnostics** page
- Configuring IO-Link settings
- Setting up passwords
- Configuring the P2M with an IODD file
- Setting **Data Storage**
- Using the **Device Validation** feature

The sensors were tested using **Application Base v1.4.20-opcua** on the **IO-Link Master 8-EIP** (machine mountable IP67). This report does not illustrate all Control IO-Link Master features, such as: EtherNet/IP, Modbus/TCP and OPC UA configuration, uploading the latest software, or network configuration.

IO-Link Master - IO-Link Diagnostics Page

Upon connection to the IO-Link Master, the P2M displays in the **IO-Link Diagnostics** page after initializing the P2M. This is not a complete screen shot of the **IO-Link Diagnostics** page.

IO-Link Diagnostics Image does not show complete diagnostics page. UPDATE STOP LIVE UPDATES RESET STATISTICS

IO-LINK PORT STATUS	PORT 1	PORT 2	PORT 3	PORT 4	PORT 5	PORT 6	PORT 7	PORT 8
Port Name	Parker Moduflex	IO-Link Port 2	IO-Link Port 3	IO-Link Port 4	IO-Link Port 5	IO-Link Port 6	IO-Link Port 7	IO-Link Port 8
Port Mode	IO-Link	IO-Link	IO-Link	IO-Link	IO-Link	IO-Link	IO-Link	IO-Link
Port Status	Operational	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive
IO-Link State	Operate	Init	Init	Init	Init	Init	Init	Init
Device Vendor Name	Parker Hannifin							
Device Product Name	Parker Moduflex IO Link							
Device Serial Number	1517-00-0040							
Device Hardware Version	HW-V1.0							
Device Firmware Version	FW-V1.0							

Welcome Admin © Copyright Control Corp.

Configuring IO-Link Settings

During IO-Link configuration, the **Minimum Cycle Time** can be left to the default value, as the IO-Link Master negotiates the required **Cycle Time** with each sensor.

This example shows configuring a friendly port name. The **Device Validation** feature is discussed later in the report.

IO-Link Settings **Click EDIT to make configuration changes, then click SAVE** To change the Port Mode, click the drop-down to select Digital Input or Output if desired.

IO-LINK PORT CONFIG	PORT 1	PORT 2	PORT 3	PORT 4	PORT 5	PORT 6	PORT 7	PORT 8
	CANCEL SAVE	EDIT	EDIT	EDIT	EDIT	EDIT	EDIT	EDIT
Port Name	Parker Moduflex	IO-Link Port 2	IO-Link Port 3	IO-Link Port 4	IO-Link Port 5	IO-Link Port 6	IO-Link Port 7	IO-Link Port 8
Port Mode	IOLink	IOLink	IOLink	IOLink	IOLink	IOLink	IOLink	IOLink
Invert IO	☐	false	false	false	false	false	false	false
Default Digital Output	Off	Off	Off	Off	Off	Off	Off	Off
Minimum Cycle Time (4 - 538)	4 ms	4 ms	4 ms	4 ms	4 ms	4 ms	4 ms	4 ms
Auxiliary Input Settling Time (0 - 10000)	0 ms	0 ms	0 ms	0 ms	0 ms	0 ms	0 ms	0 ms
Auxiliary Input Hold Time (0 - 10000)	0 ms	0 ms	0 ms	0 ms	0 ms	0 ms	0 ms	0 ms
SIO Input Settling Time (0 - 10000)	0 ms	0 ms	0 ms	0 ms	0 ms	0 ms	0 ms	0 ms
SIO Input Hold Time (0 - 10000)	0 ms	0 ms	0 ms	0 ms	0 ms	0 ms	0 ms	0 ms
Data Storage Config								

Welcome Admin © Copyright Control Corp.

[After Configuring Port Names](#)

The **IO-Link Diagnostics** page now displays the friendly **Port Name**, as well as the **Port Mode** and **Status**.

The screenshot shows a web browser window with the address bar displaying `192.168.4.233/IOLink/Diag`. The page features a navigation bar with the **CONTROL** logo and tabs for **Home**, **Diagnostics**, **Configuration**, **Advanced**, **Attached Devices**, and **Help**. Below the navigation bar, there are links for **IO-LINK**, **ETHERNET/IP**, **MODBUS/TCP**, **OPC/UA**, and **IOTHUB**. The main content area is titled **IO-Link Diagnostics** and contains a table with two columns: **IO-LINK PORT STATUS** and **PORT 1**. The table lists various port and device parameters, with the first four rows highlighted in yellow.

IO-LINK PORT STATUS	PORT 1
Port Name	Parker Moduflex
Port Mode	IOLink
Port Status	Operational
IOLink State	Operate
Device Vendor Name	Parker Hannifin
Device Product Name	Parker Moduflex IO Link
Device Serial Number	1517-00-0040
Device Hardware Version	HW-V1.0
Device Firmware Version	FW-V1.0
Device IO-Link Version	1.1
Actual Cycle Time	4.0 ms
Device Minimum Cycle Time	3.0 ms
Configured Minimum Cycle Time	4 ms
Data Storage Capable	Yes

At the bottom left of the page, the IP address `192.168.4.233` is displayed.

Setting Up Passwords

The IO-Link Master ships from the factory without passwords and administrative permissions are granted. You can use the **Advanced | Accounts** page to set up passwords for the IO-Link Master. Admin, Operator, and User permissions are defined in the help system on the **Accounts** page.

The screenshot shows a web browser window with two tabs, both pointing to 192.168.4.233 IO-Link Master. The address bar shows "Not secure | 192.168.4.233/Accounts". The navigation bar includes "CONTROL" logo, "Home", "Diagnostics", "Configuration", "Advanced" (selected), "Attached Devices", and "Help". A red status bar on the right says "IO-Link Master 8-ETP". Below the navigation bar, a sub-menu shows "SOFTWARE", "ACCOUNTS" (selected), "LOG FILES", and "LICENSES".

The main content area is titled "Accounts" with a help icon. A red banner at the top of the content area says "Passwords saved : AdminPassword". Below this, there are three sections for account configuration:

Account Type	Status	Action
ADMIN	(NO PASSWORD)	☐
Old Password		
New Password		
Confirm Password		
OPERATOR	(PASSWORD IS CONFIGURED)	☐
New Password		
Confirm Password		
USER	(NO PASSWORD)	☐
New Password		

P2M Configuration

You can use the Control IO-Link Master to configure the IO-Link device.

- If an IODD file is loaded on the IO-Link Master, you may want to use the **GUI** on the top of the **IO-Link Device – Port** page to change parameter settings.
- If an IODD file is not loaded, you can use the **ISDU Interface** on the bottom of the **IO-Link Device –**

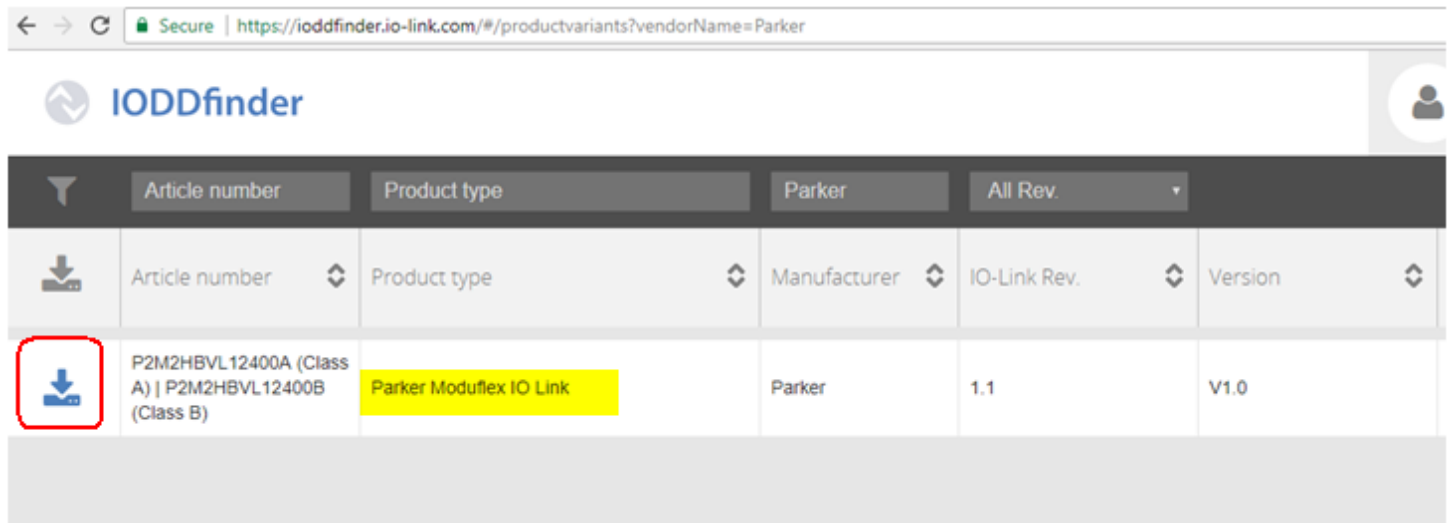
Port page This section discusses the following topics:

- Obtaining the IODD file
- Loading IODD files
- Verifying that the correct IODD file is loaded
- Changing IO-Link device parameters using the GUI
- Changing IO-Link device parameters using the ISDU Interface
- Viewing Other Device Properties
- Setting Data Storage for the device

Obtaining the IODD File

www.IO-Link.com has a database called IODD Finder, which lists IODD files from numerous IO-Link manufacturers.

1. Click **IODDfinder**.
2. Click **IODDfinder** from the search page.
3. Enter Parker as the *Manufacturer*.
4. Click the file download icon to download the appropriate zip file.

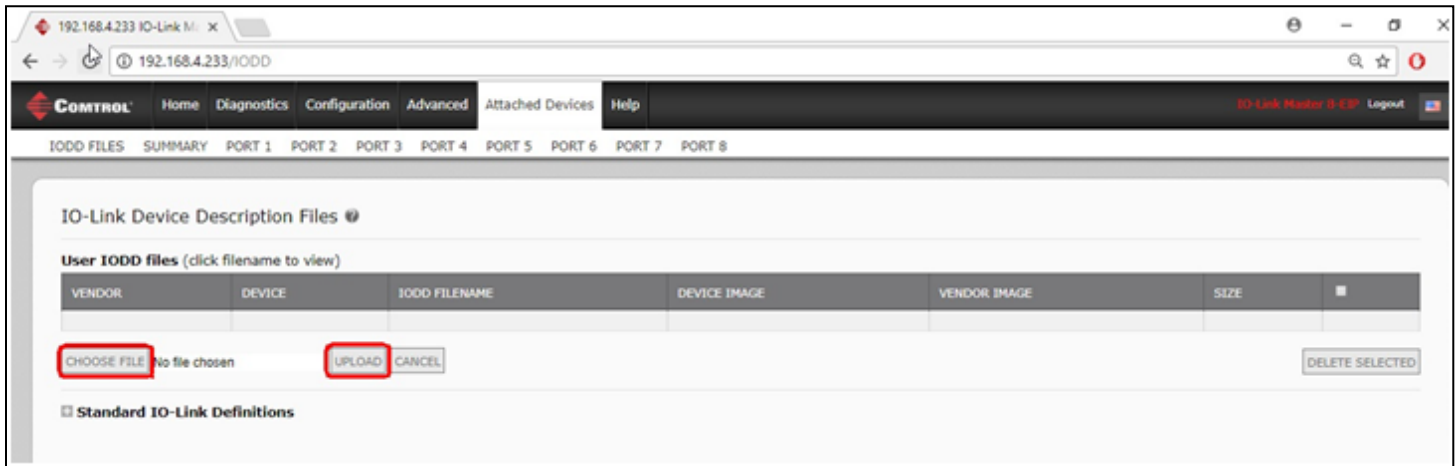


	Article number	Product type	Parker	All Rev.	
	Article number	Product type	Manufacturer	IO-Link Rev.	Version
	P2M2HBVL12400A (Class A) P2M2HBVL12400B (Class B)	Parker Moduflex IO Link	Parker	1.1	V1.0

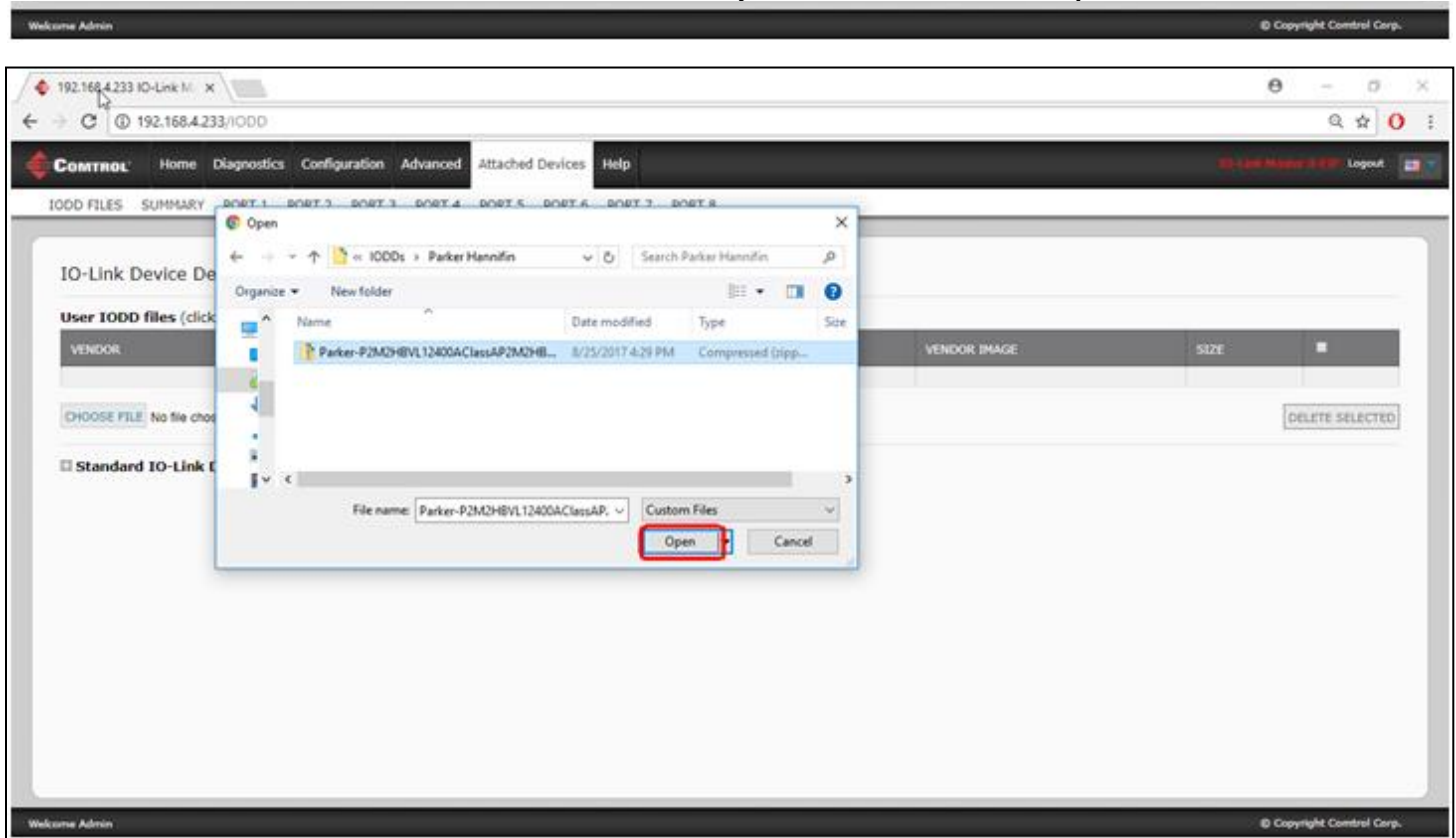
Loading IODD Files

IODD file packages must be unzipped and the appropriate files located and re-zipped or loaded individually.

1. Click **Attached Devices | IODD Files**.
2. Click the **UPLOAD FILE...** button.



3. Select the **CHOOSE FILE** button, select the file from your documents, and click **Open**.



4. Once it appears on the webpage, click the **UPLOAD** button.
5. If there are files in the IODD file set that are not required by the associated xml file, the IO-Link Master does not load the files, and displays an *Ignored Files* message. Click **Ok** to close the message.

6. The **IODD Files** page now displays the IODD files loaded on the IO-Link Master.

IO-Link Device Description Files ?

User IODD files (click filename to view)

VENDOR	DEVICE	IODD FILENAME	DEVICE IMAGE	VENDOR IMAGE	SIZE	
271	2097153	Parker-P2M2HBVL12400AC1assAP2M2HBVL12400BC1assB-20170410-IODD1.1.xml	parker-pfc-pfc.png	parker-logo.png	88K	

UPLOAD FILE

IODD space: 682K used, 15702K available

DELETE SELECTED

Standard IO-Link Definitions

7. If you want to view the xml file, click the corresponding **IODD FILE NAME** in the table.

IO-Link Device Description Files ?

User IODD files (click filename to view)

VENDOR	DEVICE	IODD FILENAME
271	2097153	Parker-P2M2HBVL12400AC1assAP2M2HBVL12400BC1assB-20170410-IODD1.1.xml

UPLOAD FILE

IODD space: 682K used, 15702K available

Standard IO-Link Definitions

8. Optionally, click the hyperlink to view the xml file in your browser.

The screenshot shows the IO-Link Master web interface at 192.168.4.233. The 'Attached Devices' tab is active, displaying a table of IO-Link devices. A modal window is open, showing the XML file for a Parker device. The XML content is as follows:

```
<?xml version="1.0" encoding="utf-8"?>
<IODevice xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.io-link.com/IOOD/2010/10" xsi:schemaLocation="http://www.io-link.com/IOOD/2010/10 IOOD1.1.xsd">
  <DocumentInfo copyright="PARKER Hannifin Manufacturing France SAS" releaseDate="2017-04-10" version="V1.0" />
  <ProfileHeader>
    <ProfileIdentification>IO Device Profile</ProfileIdentification>
    <ProfileRevision>1.1</ProfileRevision>
    <ProfileName>Device Profile for IO Devices</ProfileName>
    <ProfileSource>IO-Link Consortium</ProfileSource>
    <ProfileClassID>Device</ProfileClassID>
    <ISO15745Reference>
      <ISO15745Part>1</ISO15745Part>
      <ISO15745Edition>1</ISO15745Edition>
    </ISO15745Reference>
    <ProfileTechnology>IOOD</ProfileTechnology>
  </ProfileHeader>
  <ProfileBody>
    <DeviceIdentity vendorId="271" vendorName="Parker_Hannifin" deviceId="2097153">
      <VendorText textId="TI_VendorText" />
      <VendorUrl textId="TI_VendorUrl" />
      <VendorLogo name="Parker-logo.png" />
      <DeviceName textId="TI_Device_Name" />
      <DeviceFamily textId="TI_DeviceFamily" />
      <DeviceVariantCollection>

```

The modal window also displays an image of the Parker device and the Parker logo.

Verifying That the Correct IODD Files Are Loaded

Use the **IO-Link Device Configuration Summary** page to verify that the correct IODD files for the attached IO-Link devices have been loaded on the IO-Link Master. The correct file is loaded if an **xml** file name displays in the **IODD Name** field.

The screenshot shows the IO-Link Device Configuration Summary page. The 'SUMMARY' tab is selected. The table below displays the configuration details for the attached IO-Link devices.

DEVICE SETTINGS	PORT1	MORE	PORT2	MORE	PORT3	MORE	PORT4
Vendor Name	Parker Hannifin						
VENDOR	271						
DEVICE	2097153						
Description	IOL V1.1.2 Connection = 2 x M12 (Class A), 1 x M12 (Class B)						
IO-Link Version	1.1						
Hardware Version	HW-V1.0						
Firmware Version	FW-V1.0						
Baud Rate	38400						
SIO Mode	Yes						
Min Cycle Time	3 ms						
IODD Name	Parker-P2M2HBVL12400AClassAP2M2HBVL12400BClassB-20170410-IODD1.1.xml						
Serial Number	1517-00-0040						

Changing Parameters on the P2M with the GUI

1. The P2M displays as expected in the **PORT** page. Click **EDIT** to make changes in the table.

The screenshot shows the Control IO-Link Master GUI. The top navigation bar includes 'Home', 'Diagnostics', 'Configuration', 'Advanced', 'Attached Devices', and 'Help'. The 'PORT 1' tab is selected. The main content area displays 'IO-Link Device - Port 1' with a 'User role menu' dropdown. Below this is a table of parameters for the 'Identification' section. The 'EDIT' button is highlighted with a red box.

Parameter Name	Index	Subindex	Value	Description	R/W	Unit	Min	Max	Comments	Gradient
- Identification										
Vendor Name	16		Parker Hannifin		RO				dynamic parameter	
Vendor Text	17		Pneumatic Division		RO				dynamic parameter	
Product Name	18		Parker Moduflex IO Link		RO				dynamic parameter	
Product ID	19		P2M2HBVL12400A (Class A) P2M2HBVL12400B (Class B)		RO				dynamic parameter	
Product Text	20		IOL V1.1.2 Connection = 2 x M12 (Class A), 1 x M12 (Class B)		RO				dynamic parameter	

IO-Link Device ISDU Interface - Port 1

Port Status: Operational, PDI Invalid, PDO Invalid

2. Click the **SAVE** button to make parameter changes using the GUI

NOTE- Parameters will be confined to the minimum and maximum values. Those with smaller ranges may be displayed with a drop-down menu, and those with larger values with a box to enter the value in. In some cases there may be a check box.

The screenshot shows the Control IO-Link Master GUI. The top navigation bar includes 'Home', 'Diagnostics', 'Configuration', 'Advanced', 'Attached Devices', and 'Help'. The 'PORT 1' tab is selected. The main content area displays 'IO-Link Device - Port 1' with a 'User role menu' dropdown. Below this is a table of parameters for the 'Parameter' section. The 'SAVE' button is highlighted with a red box.

Parameter Name	Index	Subindex	Value	Description	R/W	Unit	Min	Max	Comments	Gradient
Firmware Version	23		FW-V1.0		RO				dynamic parameter	
Application Specific Tag	24		*****		RW				dynamic parameter	
- Parameter										
AUX warning high level	70	1*	26.4		RW	V			dynamic parameter	0.001
AUX warning low level	70	2*	20.0		RW	V			dynamic parameter	0.001
AUX error high level	71	1*	28.5		RW	V			dynamic parameter	0.001
AUX error low level	71	2*	18.0		RW	V			dynamic parameter	0.001
+ Observation										
+ Diagnosis										

IO-Link Device ISDU Interface - Port 1

Port Status: Operational, PDI Invalid, PDO Invalid

Changing Parameters Using the ISDU Interface

This shows using the **IO-Link ISDU Interface** to change configuration parameters. Open the **IO-Link Device ISDU Interface** by clicking the + next to the name.

The screenshot shows the Control IO-Link Master web interface. The top navigation bar includes 'Home', 'Diagnostics', 'Configuration', 'Advanced', 'Attached Devices', and 'Help'. The 'Configuration' tab is active. Below the navigation bar, there are tabs for 'IODD FILES', 'SUMMARY', and 'PORT 1' through 'PORT 8'. The 'PORT 1' tab is selected, showing the 'IO-Link Device - Port 1' page. The page has a 'User role menu' dropdown and a 'Parker' logo. There are 'REFRESH', 'EDIT', and 'COMMAND' buttons. A table lists parameters for 'AUX warning high level', 'AUX warning low level', 'AUX error high level', and 'AUX error low level'. Below the table, there is a section for 'IO-Link Device ISDU Interface - Port 1'. This section contains input fields for 'ISDU Block Index' (set to 70) and 'ISDU Sub-index' (set to 2*), a 'GET' button, and a 'SET' button. To the right of these fields, there is a text box explaining the hexadecimal value '4e 20 67 20' and the decimal value '26,400'. The text states: 'First two bytes represent index 70. In hex (ISDU Interface) 67 20 is 26,400 decimal. To the right, you see the gradient is listed at 0.001. Multiply your decimal number by this to get your index value of 26.4. Next two bytes are Index 70, subindex 2*'. The bottom of the page shows the IP address '192.168.4.233/Home' and the copyright notice '© Copyright Control Corp.'

- Parameter									
AUX warning high level	70	1*	26.4		RW	V		dynamic parameter	0.001
AUX warning low level	70	2*	20.0		RW	V		dynamic parameter	0.001
AUX error high level	71	1*	28.5		RW	V		dynamic parameter	0.001
AUX error low level	71	2*	18.0		RW	V		dynamic parameter	0.001

IO-Link Device ISDU Interface - Port 1 Port Status: Operational, PDI Invalid, PDO Invalid

ISDU Block Index: 70 4e 20 67 20
ISDU Sub-index: 2*
GET
SET

First two bytes represent index 70. In hex (ISDU Interface) 67 20 is 26,400 decimal. To the right, you see the gradient is listed at 0.001. Multiply your decimal number by this to get your index value of 26.4.
Next two bytes are Index 70, subindex 2*

Please note:

- You must enter the hexadecimal value for the ISDU Block Index and ISDU Sub-index. In this example, no sub-index should be used (* next to subindex number indicates this)
- The following images do not display the complete web page or column titles.
- The following screenshots do not illustrate the system responses. The IO-Link Master responds with a "command executed" notification.

Viewing Other Device Properties

Diagnostic and Device data is available in the additional sections.

192.168.4.233 IO-Link Master

192.168.4.233/IODD_Port/1/

CONTROL

HomeDiagnosticsConfigurationAdvancedAttached DevicesHelp

IODD FILES SUMMARY PORT 1 PORT 2 PORT 3 PORT 4 PORT 5 PORT 6 PORT 7 PORT 8

IO-Link Device - Port 1

User role menu



				2: Out of specification 3: Functional check 4: Failure 5~255: Reserved			
- Diagnosis							
Standard Command	2		Leave failsafe...	160: Leave failsafe state	WO		160
Standard Command	2		Store switchin...	161: Store switching cycles	WO		161
Clear switching cycles	65			16777215: Clear all 1: Clear EV1 2: Clear EV2 4: Clear EV3 8: Clear EV4 16: Clear EV5 32: Clear EV6 64: Clear EV7 128: Clear EV8 256: Clear EV9 512: Clear EV10 1024: Clear EV11 2048: Clear EV12 4096: Clear EV13 8192: Clear EV14 16384: Clear EV15 32768: Clear EV16	WO		0

IO-Link Device ISDU Interface - Port 1

Welcome Admin

Setting Data Storage for the Device

The Parker Hannifin P2M device is **IO-Link v1.1** and **Data Storage Capable** as seen on the Diagnostics page.



Home

Diagnostics

Configuration

Advanced

Atta

IO-LINK

ETHERNET/IP

MODBUS/TCP

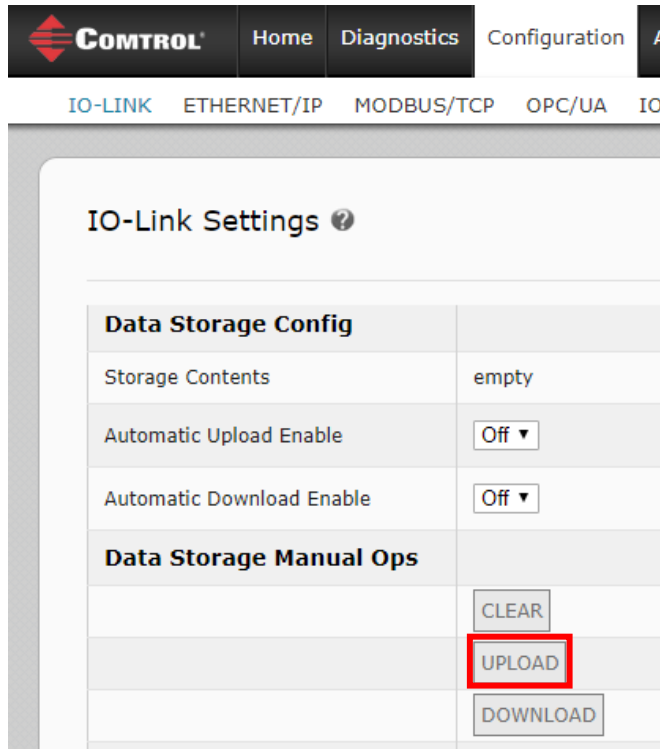
OPC/UA

IOTHUB

IO-Link Diagnostics ?

Port Status	Operational
IOLink State	Operate
Device Vendor Name	Parker Hannifin
Device Product Name	Parker Moduflex IO Link
Device Serial Number	1517-00-0040
Device Hardware Version	HW-V1.0
Device Firmware Version	FW-V1.0
Device IO-Link Version	1.1
Actual Cycle Time	4.0 ms
Device Minimum Cycle Time	3.0 ms
Configured Minimum Cycle Time	4 ms
Data Storage Capable	Yes

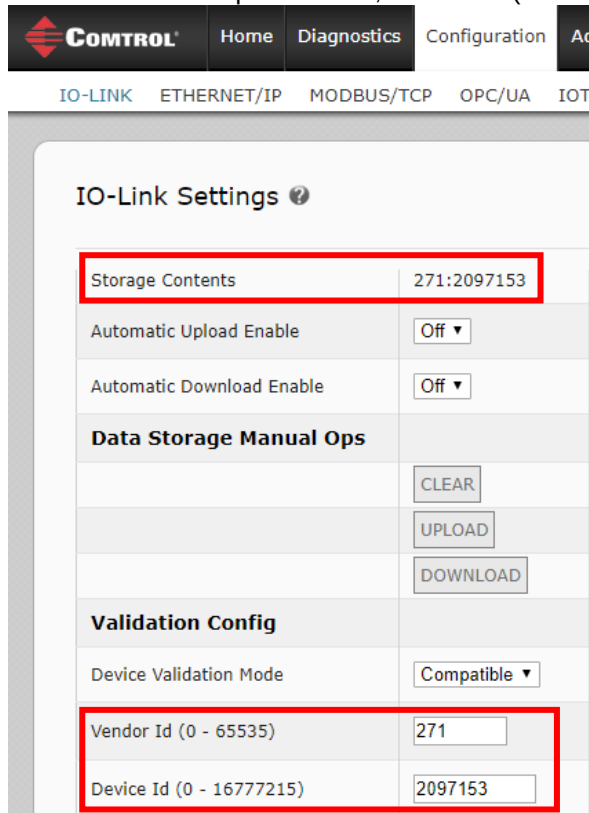
1. To set Data Storage, go to the **Configuration** tab, click **EDIT** for the port you want to save Data Storage on. Scroll down until you get to the **Data Storage Config** section. Click **UPLOAD**. You will then see a box confirming data storage was successful.



IO-Link Settings ?

Data Storage Config	
Storage Contents	empty
Automatic Upload Enable	Off ▼
Automatic Download Enable	Off ▼
Data Storage Manual Ops	
	CLEAR
	UPLOAD
	DOWNLOAD

2. You will then see a set of numbers which represent Data Storage is saved for that device on that port. The numbers represent first, vendor ID (Parker is 271) and Device ID (P2M is 2097153).



IO-Link Settings ?

Storage Contents	271:2097153
Automatic Upload Enable	Off ▼
Automatic Download Enable	Off ▼
Data Storage Manual Ops	
	CLEAR
	UPLOAD
	DOWNLOAD
Validation Config	
Device Validation Mode	Compatible ▼
Vendor Id (0 - 65535)	271
Device Id (0 - 16777215)	2097153

- Next, choose whether **Automatic Upload or Download** is enabled. **DOWNLOAD** will send parameters saved on the master to a connected P2M if current settings are at default state or are different than what is saved. **UPLOAD** will take current settings of the P2M and save them to the master. Click **SAVE** at the top of the port section.

IO-Link Settings ?

10000}

Data Storage Config

Storage Contents empty

Automatic Upload Enable Off ▼

Automatic Download Enable On ▼

Data Storage Manual Ops

CLEAR

UPLOAD

DOWNLOAD

- To confirm Data Storage is set, go to the **ATTACHED DEVICES** tab, then go to the port which the P2M is connected. For this example, Index 70, Subindex 1* was saved as a value of 25.0 using **Data Storage**. ***NOTE*** A single P2M was used for this test, so steps below were necessary. If an additional P2M is available, you can skip to step 6.

COMTROL® Home Diagnostics Configuration Advanced Attached Devices Help

IODD FILES SUMMARY PORT 1 PORT 2 PORT 3 PORT 4 PORT 5 PORT 6 PORT 7 PORT 8

IO-Link Device - Port 1 ? User role menu ▼

+ Identification

- Parameter

Parameter Name	Index	Subindex	Value	Description	R/W
AUX warning high level	70	1*	25.0		RW
AUX warning low level	70	2*	20.0		RW

- Using the GUI or ISDU Interface as previously shown, change the value to a different parameter. In this example we will use 26.5 and set using the GUI.

IO-Link Device - Port 1 ? User role menu ▼

+ Identification

- Parameter

Parameter Name	Index	Subindex	Value	Description	R/W	Unit	Min	Max	Comments
AUX warning high level	70	1*	26.5		RW	V			dynamic parameter
AUX warning low level	70	2*	20.0		RW	V			dynamic parameter

SAVE CANCEL

6. To confirm Data Storage will take affect, disconnect the P2M and re-connect the same unit, or, connect a different P2M. Refresh the page and notice settings are changed back to what was originally saved.

OR- Device will not allow you to set different parameter other than what is saved?

Using the Device Validation Feature

P2M supports **Compatible** or **Identical Device Validation**.

Device Validation Set Up

1. In the **IO-Link Configuration** page, click **EDIT**, set **Device Validation** mode to **Compatible** or **Identical**.
2. Click the **GET ATTACHED** button.
3. Click **SAVE**.

The screenshot shows the 'IO-Link Settings' page. At the top, there is a navigation bar with 'HOME', 'DIAGNOSTICS', 'CONFIGURATION', and 'ADVANCED'. Below this, there is a sub-navigation bar with 'IO-LINK', 'ETHERNET/IP', 'MODBUS/TCP', 'OPC/UA', and 'IOTHING'. The main content area is titled 'IO-Link Settings'. It contains a table with the following rows:

	DOWNLOAD
Validation Config	
Device Validation Mode	Compatible ▼
Vendor Id (0 - 65535)	271
Device Id (0 - 16777215)	2097153
Serial Num	1517-00-0040
Data Validation Mode	None ▼
PDI Length (0 - 32)	1 byte
PDO Length (0 - 32)	3 byte
	GET ATTACHED

At the bottom of the page, there is a footer that says 'Welcome Admin'.

4. Remove the P2M and connect another IO-Link device (not a P2M). Or if another P2M is available, **Identical** can be selected and only the device with the saved serial number on that port will communicate.
5. The IO-Link LED on the IO-Link Master is now flashing **red** to indicate that an incompatible device is connected to the port. In addition, the **IO-Link Diagnostics** page displays that an incompatible device is attached to the port.

The screenshot shows the COMTROL web interface. The top navigation bar includes 'Home', 'Diagnostics', 'Configuration', 'Advanced', and 'Attached Device'. Below this is a sub-navigation bar with 'IO-LINK', 'ETHERNET/IP', 'MODBUS/TCP', 'OPC/UA', and 'IOTHUB'. The main content area is titled 'IO-Link Diagnostics' with a help icon. It contains a table for 'IO-LINK PORT STATUS' with a dropdown for 'PORT 1'. The table lists several attributes: Port Name (Parker Moduflex), Port Mode (IOLink), Port Status (Inactive), IOLink State (DV:WrongSensor, highlighted with a red box), and Device Vendor Name.

IO-LINK PORT STATUS	PORT 1
Port Name	Parker Moduflex
Port Mode	IOLink
Port Status	Inactive
IOLink State	DV:WrongSensor
Device Vendor Name	