

# IFC406 Multiplexer Data Logger Interface Quick Installation Guide



**IMPORTANT:** Do not connect the IFC406 to your PC until instructed to do so or the setup will not work.

## **Package Contents**



USB to Mini-USB Cable

IFC406

\*Optional AC Data Logger Power Adapter Software

\*Optional AC Power adapter included, recommended for three or more daisy-chained IFC406s.

### **Product Overview**

The IFC406 Multiplexer Data Logger Interface allows for multiple devices to be connected into one interface. Each IFC406 allows for 6 data loggers to be connected. Up to 3 IFC406 units may be daisy-chained together to communicate with a total of 18 devices through 1 USB port. To connect multiple IFC406 Interfaces together, simply join the units side by side, making sure the spring pin contacts are connected and magnetically joined.

#### **LED Indicators**

Blue: Indicates unit has power. Amber: Channel is busy or searching for a device Green: Operation successful or complete

#### **Dust Cover**

Be sure to remove the dust cover from the spring pin contacts to ensure the devices communicate properly. (1)



(Fig. 1 - Spring pin contacts)

Operating Environment	+10 °C to +35 °C; 0 %RH to 95 %RH non-condensing
Connection Type	USB (to PC)
Weight	1.65 lb (750 g)
Material	6061 Aluminum (PTFE impregnated hard anodized coating), ABS Plastic
Dimensions	Enclosure: 9.5 in x 1.95 in x 1.75 in
Maximum Input Voltage	6 Volts (V)
Approval	CE
Battery	This device does not use a battery

Install Software & Setup USB Data Logger Interface

**IMPORTANT:** If the MadgeTech 4 Software is already installed on the Windows PC, please move on to **Section 1C** of the Quick Installation Guide.

A Insert the MadgeTech 4 Software Flash Drive into an open USB port on a Windows PC. If the autorun does not appear, locate the drive on the computer by selecting the **Start** menu and choosing **Computer** or **My Computer**. Browse to the Removable Disk drive corresponding to the USB port you selected.

For Windows 7 and Windows 8 users, a dialog box may appear with a list of options. Select **Open Folder to View files**. If you are not prompted, click the **Start** menu and choose **Computer** or **My Computer** and browse to the Removable Disk drive corresponding to the USB port you selected.



Once you locate the contents of the USB flash drive, click on **auto-run**.

Documents	0.00
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The MadgeTech 4 Setup Screen will display with options as shown to the left.

B If the Windows PC doesn't already have .NET 4.0 Framework, installation may be required. Select **Install .Net 4.0 Framework** to install. To see if the .NET 4.0 Framework is already installed on the Windows PC, go to the Windows **Control Panel** and select **Programs.** "Microsoft .NET Framework **4.0**" would be listed as a Windows program. (Note: Windows 8 comes with this component already installed).

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Select Install MadgeTech Software if .NET framework is installed on the Windows PC, or if installing on a Windows 8 machine. Follow the MadgeTech 4 Setup Wizard on screen prompts to complete the installation. Click back to MadgeTech contents when completed.



To install the drivers for the IFC406, click on the **Drivers and Third Party Tools** link on the MadgeTech Installer Options window panel. In the next window click on **Install USB Interface Drivers**. A window will appear prompting for a directory and to start the installation.



The default directory is C:\Program Files\MTI-USB\Datalogger Interface. If you choose to change the location of the install directory, select the **Change Install Location** button. Once you have the install location set select the **Install** button to start the installation.

Silicon Laboratories	
Datalogger Interface	
stallation Location:	Driver Version 3.2
C:\Program Files (x86)\MTI-USB\Da	talogger Interface

Connecting the Data Logger Interface

Warning: Install driver before connecting this device.

Remove the Warning Label to expose the USB connector. Connect one end of the USB cable to the USB port of the IFC406.

B Connect the other end to a USB port on your PC. When the IFC406 is plugged in, a **New Hardware Found** message will appear in the lower right corner of your screen. The new drivers will automatically configure themselves for use with the Interface cable. A message will then appear that the new hardware is installed and ready to use.

The installation of the USB data logger interface is complete!

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Found New Hardware
USB Device

## Test the Data Logger Interface Operation

To verify that the USB Interface drivers are installed properly, check to ensure the Data Logger Software can recognize a device.

When the interface cable is connected to the PC the blue LED power indicator light should be on. If the indicator light is **not** on, unplug the interface cable, wait 5 seconds and plug it back into the PC.

Start the MadgeTech Data Logger Software. (If necessary, see the software manual for additional information on the software)

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Your device(s) will appear in the list displayed, select your device in this list and choose your desired start method.

🔞 🜔 º 🚺 mft 00 Search by: No preference Only show claimed wireless device Model Serial No Status Device ID Readings Reading Interva IFC406-1 MultiChanne N71048 2/15/2012 2/14/2012 7:04:57 PM E P10250 /25/2012 IFC406-3 HiTemp HiTemp140 P11404 P11279 Stopped 3.0.E 6/28/2013 Neve IFC406-4 IFC406-5 HiTemp HiTemp140 Running 7/2/2013 7/10/2013 2:04:13 PM ED HiTemp HiTemn140 p1120 7/10/2013 2:01:43 PM FD 3:06:40 PM 6/26/2012 5:53:20 PM 6/26/2012 8:40:00 PM 6/26/2012 11:26:40 PM 6/26/2012 2:13:20 AM 6/27/2012





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