

USB over IP connection for MadgeTech Data Loggers

Stand alone MadgeTech data loggers are typically connected directly to a PC using an IFC200, IFC300, or IFC400 interface cable. In some circumstances a solution to connect at long distances may be required. In these cases, the IFC can be connected to a USB to IP (USB over Ethernet) adapter.

USB over IP adapters allow connecting a USB device anywhere a network connection is available, and through software the USB device can be accessed from a computer on that network as if it were plugged in to that machine. A MadgeTech IFC can be used with a USB over IP adapter to connect to a data logger in a remote location where it may not be possible to have a direct PC connection.

There are many USB over IP solutions available on the market. MadgeTech cannot guarantee compatibility with all makes and models, but has tested the IFC200, IFC300, IFC400, and RFC1000 with the following USB over IP adapters:

AnywhereUSB (www.digi.com)

The AnywhereUSB devices from Digi are of very high quality and are the easiest adapters to use. They are available in several different models incorporating anywhere from two to fourteen USB ports. The AnywhereUSB works well with virtualized environments such as VMware®.

LINDY USB 2.0 over IP Server (www.lindy-usa.com)

The LINDY USB 2.0 over IP Server is inexpensive, small and lightweight. Knowledge of—and control over—the network it will be installed on is required. The LINDY USB 2.0 over IP Server should be configured with a static IP on the network.

MadgeTech does not directly support the AnywhereUSB or LINDY USB 2.0 over IP Server, but have tested them for compatibility with MadgeTech interface cables and loggers.

Please note that using MadgeTech data loggers in Real-Time Chart Recording mode diminishes battery life quicker than stand alone logging. This should be considered if the intention is to run the loggers remotely in real time.

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