

## I. Ethernet 241 Discovery Tool Purpose

The Ethernet 241 Discovery Tool is used to expand the capabilities of maintaining multiple Ethernet 241 USB/Serial devices in a facility, with the use of a PC based application.

## II. Installation of the Discovery Tool

The Discovery Tool is a PC-based GUI application that locates and communicates with Ethernet 241 devices on the local network. The communication between device and network is made possible through the use of the discovery request/response message built into Ethernet 241 devices (includes 241 USB/Serial and 241 Serial). It uses .Net framework 4.0, which is covered by the setup.exe installer.

Installation steps:

1. Load the "241\_DiscoveryTool\_v1.4.2\_install.zip" file onto the desired PC
2. Extract the files from the zip file.
3. Double-click on setup.exe
4. The 241 Discovery Tool will now be available from the Start Menu, under the RFIDEas folder.

## III. Operation

The 241 Discovery Tool has several UI buttons and selections:

- "Find local 241 devices" – This uses a UDP broadcast message to locate devices.  
Note: This broadcast message may be blocked by routers and virtual LAN systems.
- "Load list of 241 devices" – This selection uses a simple text file to query each device individually, bypassing any issue of router blocking.  
The IP addresses must already be known (such as by using the Print Configuration Page option on the Ethernet 241 USB/Serial).  
Then a simple text file can be created, listing those IP addresses, one per line.
- "Save list of 241 devices" – This selection allows for the current list of Ethernet 241 device(s) to be saved to a text file for reference or for future use.
- The update options are used to update the configuration or flash a new firmware on the selected Ethernet 241 device(s).
- Selecting an entry from the list will show the current settings on that particular Ethernet 241 device. Devices running firmware v2.02 or later will also show the configuration settings and firmware version.

More details on the 241 Discovery Tool can be found in the Ethernet 241 Discovery Tool User Guide.