

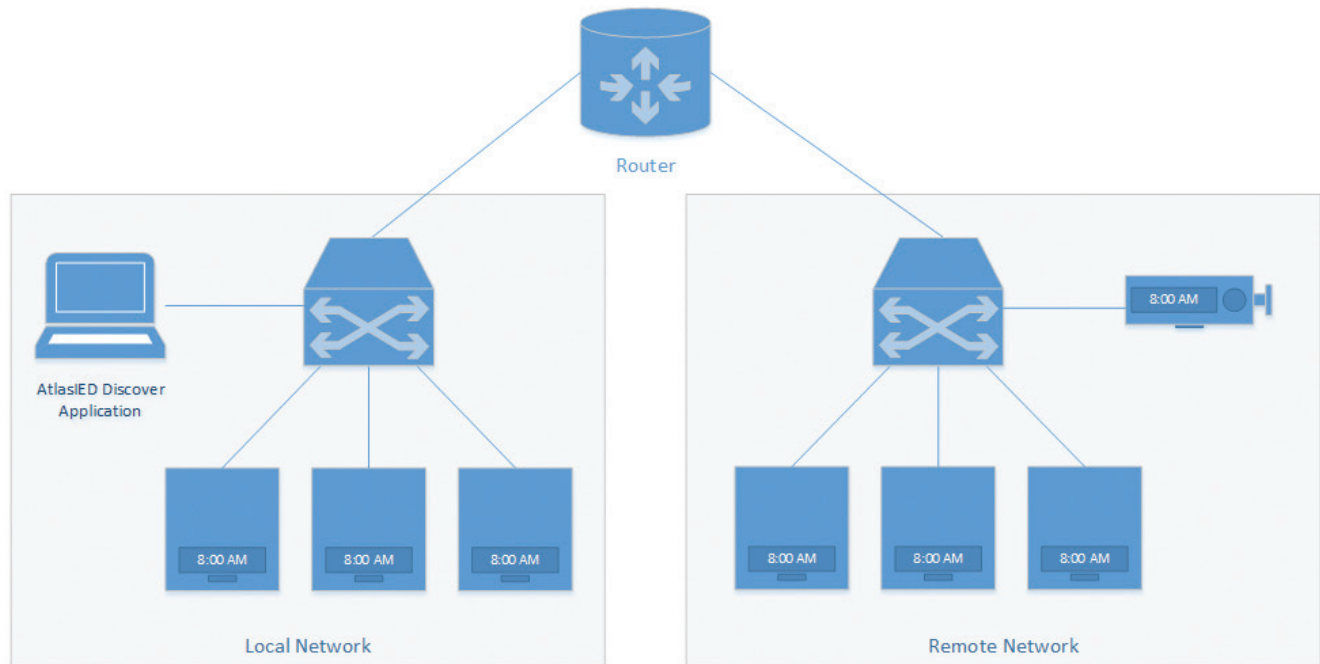
AtlasIED Discover

Quick Start Guide

Intro

AtlasIED Discover is a deployment and management application for various network appliances. It provides quick access to common tasks that are needed when commissioning or managing deployments of any size. This application is able to discover devices on the local network, import remote devices based on IP address, connect to a device's web portal (if supported), send firmware, configuration updates, view/download system logs, and view important status information.

Supported AtlasIED network devices can be discovered on a local network, while devices on remote networks can be imported by IP address for all management functions.



Installation and Minimum System Requirements

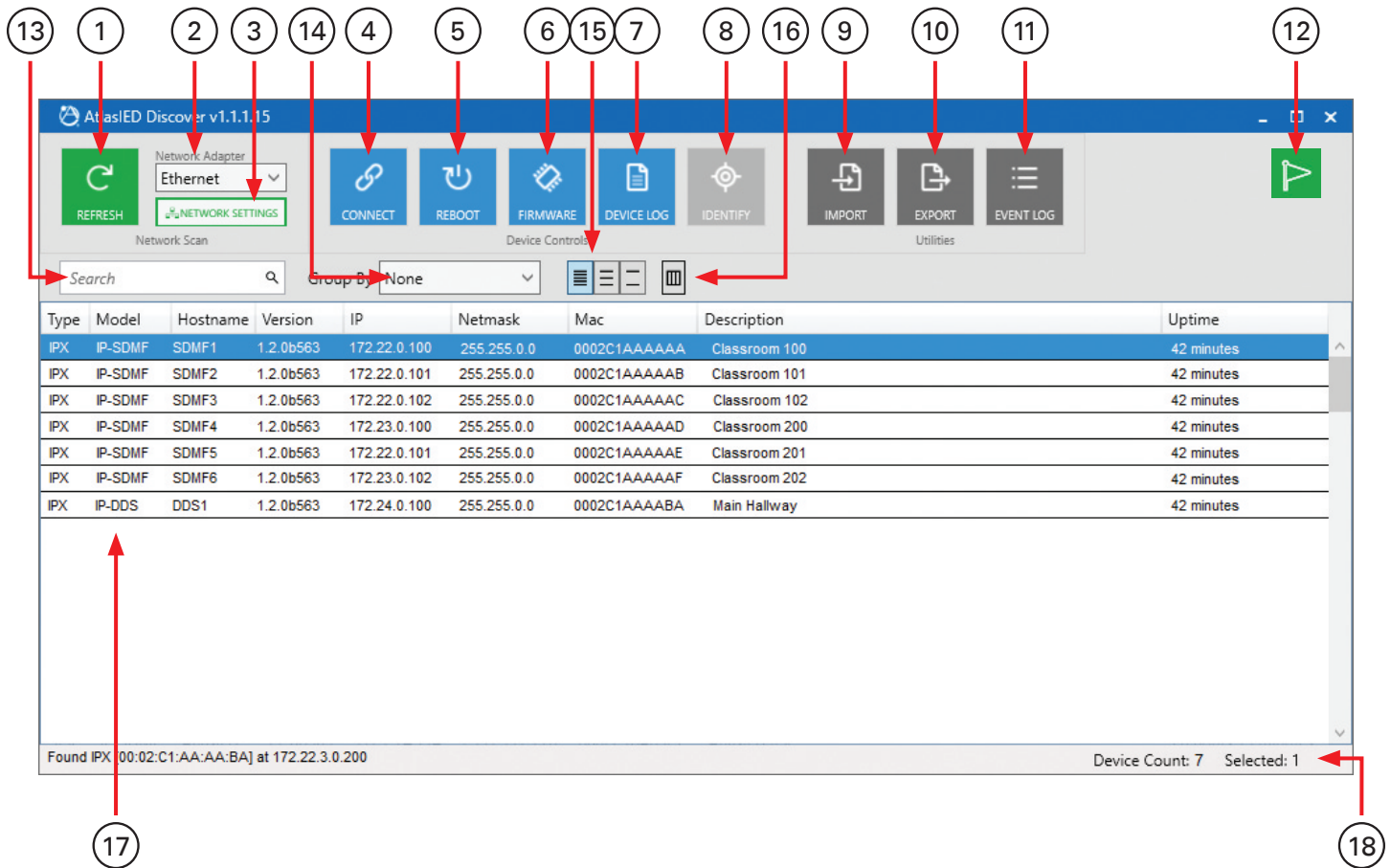
- Windows 8 or later
- At least 1Gb RAM
- At least 1GHz processor
- Display resolution 1280x800
- .Net Framework 4.6.1
- Wired or wireless network adapter

Getting Started

After installing the application, the AtlasIED Discover Application's main window will be visible. The tool will immediately begin the discovery process using the selected network adapter. If there are any supported devices on the local network, they will show up after a few seconds of scanning. It may take up to two minutes for very large systems with a high number of IP devices.

As devices are discovered, they will be polled for their status information. Once all the devices have been discovered, and their information has been polled, one or more of the devices can be selected from the list and begin using the various management tools available within the application.

Window Layout

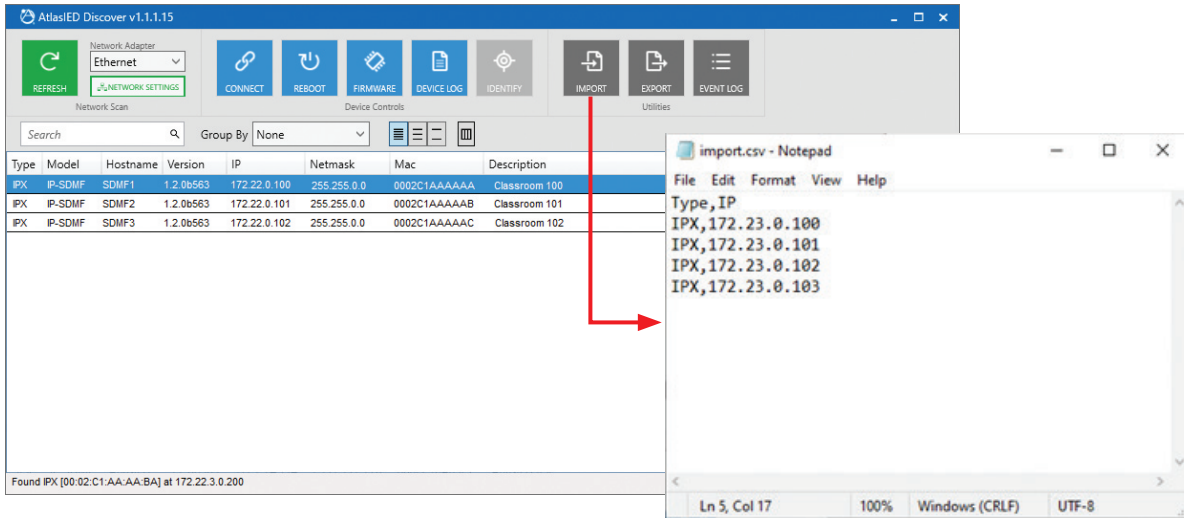


- Refresh – Click to scan the local network for supported AtlasIED devices.
- Network Adapter – Select which network adapter on the local computer will be used for discovering devices.
- Network Settings – Click to view the details of the selected Network Adapter.
- Connect – Click to open a web browser to the selected device (if supported).
- Reboot – Click to perform a reboot of the selected device or devices.
- Firmware – Click to open the firmware update window.
- Device Log – Click to view the selected device’s system log for troubleshooting purposes.
- Identify – Click to cause the selected device to identify itself visually or audibly (if supported).
- Import – Click to import a *.csv file for devices on a remote network that are not able to be discovered automatically.
- Export – Click to export the list of devices and their current status information.
- Event Log – Click to view the application event log.
- Update – The green flag indicates an update is available for AtlasIED Discover. Click the arrow to update.
- Search – This field allows filtering of the listed devices based on the text entered here.
- Group By – Allows devices to be grouped in the list based on various criteria for easier viewing.
- Row Height – Click one of the three options to adjust the height of each device row in the list for easier viewing.
- Columns – Click to show or hide the columns that are important to view in this window.
- Device List – This is the list of devices that have been discovered or imported into the application, and contains multiple columns of data that can be shown, hidden, or resized as needed.
- Status Bar – General information about the last event and number of devices displayed in the device list.

Device Importing

The Discovery application can discover supported devices on the same L2 network. To connect to and manage devices on a remote network, a *.csv (Comma separated values) file can be used to import them into the application. Click the "Import" button at the top of the main application window and browse to the *.csv file. The application will read the contents, add the devices to the main device list and poll them for their details. Once the devices have been added to the main list, they can be manipulated just like the units that were automatically discovered.

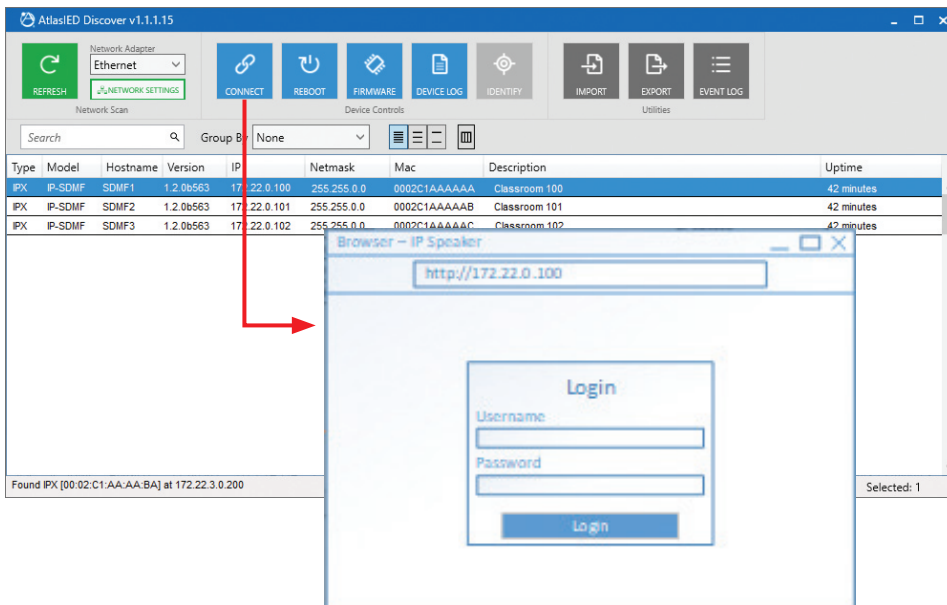
Note: If the "Refresh" button at the top of the main application window is clicked, the list of remote network devices will need to be imported again.



Connecting

Some AtlasIED network devices include a WebUI for customized configuration. Select a device from the list and click "Connect" at the top of the application window. This can also be done by right clicking on a device and select "Connect" from the popup menu.

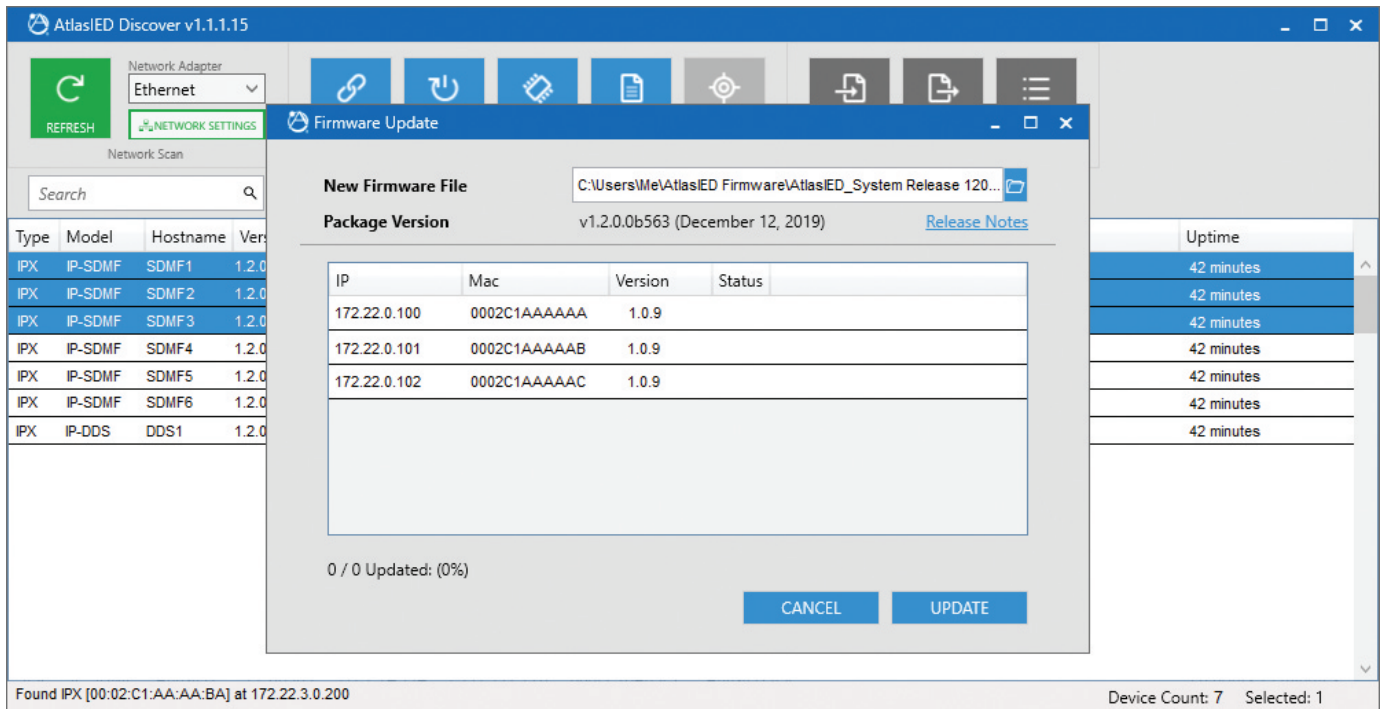
The application will open the computers default web browser to the IP address of the selected device. From there, access to the setup, commissioning, and run-time controls are available.



Firmware Updates

The Discovery application can help to deploy firmware updates to one or more devices at a time. To begin, select one or more devices from the main device list. Hold the SHIFT key to select a range of devices, the CTRL key to select individual devices, or press the CTRL+A keys to select all devices in the list.

Once all of the device(s) to be updated have been selected, click “Firmware” at the top of the application window. Select a firmware package by clicking the blue folder button. Choose the appropriate firmware package for the selected devices and click “Open”. The firmware package information and a link to the release notes will be displayed below the file name. Click “Update” to begin the process. Depending on the device and the contents of the firmware package, it will take several minutes to complete. Up to 25 devices can be updated at a time. If more than 25 devices have been selected, the update process will start updating the first 25 and then proceed to the next 25 after the first set has completed.



Each device will show a progress bar to report its current status, and an overall progress bar will be displayed at the bottom of the list.

If an update fails for any reason, the update process can be attempted again by clicking “Retry”.

Firmware packages are available on the individual product webpages at www.atlasied.com.

Note: For IPX family products, the Discovery Tool will only work with firmware v1.0.9 or newer. If there are devices that are on older firmware, they first must be updated to v1.0.9 via their WebUI before using the application for the latest updates.

Help

Device and Application Logs

In the event of problems, or when requested by AtlasIED customer support, AtlasIED Discover can be used to pull system logs from devices. Select a device from the list and click "Device Log" at the top of the application window. The log entries can be sorted, filtered, and searched for troubleshooting purposes. The logs can then be downloaded to send to customer support if requested.

The screenshot shows the 'Device Log Entries' window for IPX@172.21.26.243. It features a search bar, a 'Range' dropdown set to 'Full Log', and a table of log entries. The entries are grouped into sections: GCKLog (1096), SystemLog (20), SystemLog - mandarkCallManager (2), and SIPLog - mandarkCallManager (2). Each entry includes a timestamp, severity level (Info), source, and a message. At the bottom, there are buttons for 'CLEAR', 'EXPORT', 'REFRESH', and 'CLOSE', along with a 'Group Events' checkbox and a status bar showing 'Entries: 1120' and 'Visible: 1120'.

Entry Time	Severity	Source	Message
GCKLog (1096)			
SystemLog (20)			
12/20/2019 8:00:47 AM	Info	SystemLog	3 -- ../common/IEDSystem/src/System.cpp:SetTime new time value 1576828847
12/20/2019 8:00:46 AM	Info	SystemLog	3 -- ../common/IEDSystem/src/System.cpp:SetTime new time value 1576828847
12/20/2019 7:50:47 AM	Info	SystemLog	3 -- ../common/IEDSystem/src/System.cpp:SetTime new time value 1576828247
12/20/2019 7:50:46 AM	Info	SystemLog	3 -- ../common/IEDSystem/src/System.cpp:SetTime new time value 1576828247
12/20/2019 7:40:47 AM	Info	SystemLog	3 -- ../common/IEDSystem/src/System.cpp:SetTime new time value 1576827647
12/20/2019 7:40:46 AM	Info	SystemLog	3 -- ../common/IEDSystem/src/System.cpp:SetTime new time value 1576827647
12/20/2019 7:30:47 AM	Info	SystemLog	3 -- ../common/IEDSystem/src/System.cpp:SetTime new time value 1576827047
12/20/2019 7:30:46 AM	Info	SystemLog	3 -- ../common/IEDSystem/src/System.cpp:SetTime new time value 1576827047
12/20/2019 7:20:47 AM	Info	SystemLog	3 -- ../common/IEDSystem/src/System.cpp:SetTime new time value 1576826447
12/20/2019 7:20:46 AM	Info	SystemLog	3 -- ../common/IEDSystem/src/System.cpp:SetTime new time value 1576826447
12/20/2019 7:10:47 AM	Info	SystemLog	3 -- ../common/IEDSystem/src/System.cpp:SetTime new time value 1576825847
12/20/2019 7:10:46 AM	Info	SystemLog	3 -- ../common/IEDSystem/src/System.cpp:SetTime new time value 1576825847
12/20/2019 7:00:47 AM	Info	SystemLog	3 -- ../common/IEDSystem/src/System.cpp:SetTime new time value 1576825247
12/20/2019 7:00:46 AM	Info	SystemLog	3 -- ../common/IEDSystem/src/System.cpp:SetTime new time value 1576825247
12/20/2019 6:50:47 AM	Info	SystemLog	3 -- ../common/IEDSystem/src/System.cpp:SetTime new time value 1576824647
12/20/2019 6:50:46 AM	Info	SystemLog	3 -- ../common/IEDSystem/src/System.cpp:SetTime new time value 1576824647
12/20/2019 6:40:47 AM	Info	SystemLog	3 -- ../common/IEDSystem/src/System.cpp:SetTime new time value 1576824047
12/20/2019 6:40:46 AM	Info	SystemLog	3 -- ../common/IEDSystem/src/System.cpp:SetTime new time value 1576824047
12/20/2019 6:30:47 AM	Info	SystemLog	3 -- ../common/IEDSystem/src/System.cpp:SetTime new time value 1576823447
12/20/2019 6:30:46 AM	Info	SystemLog	3 -- ../common/IEDSystem/src/System.cpp:SetTime new time value 1576823447
SystemLog - mandarkCallManager (2)			
12/20/2019 12:45:46 AM	Info	SystemLog - mandarkCallManager	3 -- service SIP@atlasied.onsip.com registered
12/20/2019 12:45:46 AM	Info	SystemLog - mandarkCallManager	3 -- service SIP@atlasied.onsip.com registered
SIPLog - mandarkCallManager (2)			
12/20/2019 12:45:46 AM	Info	SIPLog - mandarkCallManager	3 -- Registration update, Registrar atlasied.onsip.com registered
12/20/2019 12:45:46 AM	Info	SIPLog - mandarkCallManager	3 -- Registration update, Registrar atlasied.onsip.com registered

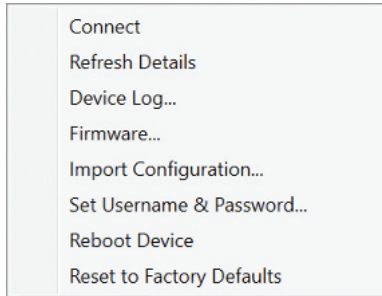
The application itself also keeps a log of all its activities. This may be especially useful when troubleshooting connection or updating problems. This log can be retrieved by clicking "Event Log" at the top of the main application window. This log can be exported as well and may be requested by the customer support team.

The screenshot shows the 'Event Log' window. It includes a 'Filter' search bar, a 'Group Events' checkbox, and a table of application events. The events include device discovery and clearing. At the bottom, there are buttons for 'CLEAR', 'EXPORT', and 'CLOSE'.

Time	Device	Message
12/20/2019 8:03:42 AM	172.21.25.181	Found IPX [0002C18A0138] at 172.21.25.181
12/20/2019 8:03:40 AM	172.21.2.169	Found IPX [0002C18A55DC] at 172.21.2.169
12/20/2019 8:03:12 AM	172.21.26.243	Found IPX [0002C18A5D11] at 172.21.26.243
12/20/2019 8:03:12 AM	172.21.26.176	Found IPX [0002C18A01E6] at 172.21.26.176
12/20/2019 8:03:11 AM		Cleared devices and restarted discovery

Additional Features

The Discover application contains additional features when right clicking on selected devices.



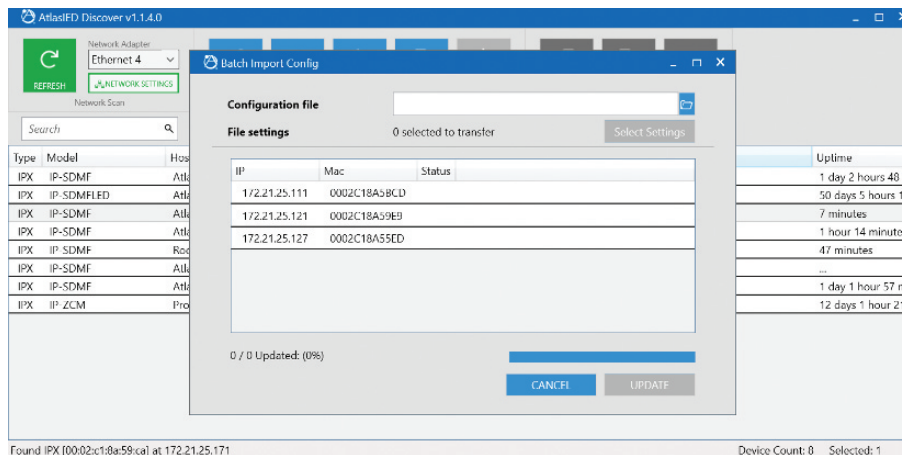
Refresh Details

If changes have been made to a device (eg. Hostname, firmware version) refresh details can be used to see the changes in AtlasIED Discover without needing to rediscover the device. This option can only be used on one device at a time.

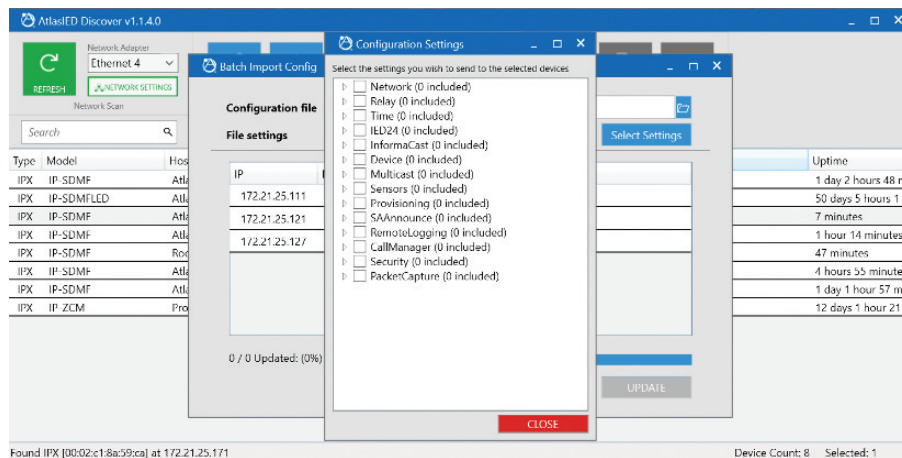
Importing Configuration Files

The import configuration option can be used to make configuration changes to devices in bulk. It is recommended to make configuration changes on one device, then export the configuration file for use with the AtlasIED Discover tool.

Once clicking on import configuration, a new window will appear.



Click the blue file button, select the desired configuration file to upload, and click "Open." Next, click the select settings button. A new window will appear to select which settings are to be imported.

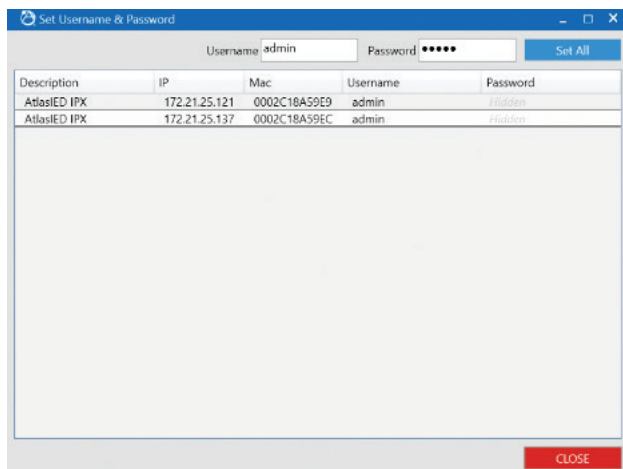


Once all the desired settings are checked, click the red close button. Click "Update" to push the configuration file to the devices. A progress bar will appear next to each device. If the file upload fails for any reason, the configuration file upload can be attempted again by clicking "Retry".

Note: AtlasIED Discover does not allow any device specific settings to be imported (Eg. SIP settings).

Setting User Configured Login Credentials

If the default login credentials of a device have been changed, AtlasIED Discover will need to be configured to use the new credentials. Select each device that have had the login credentials changed, then right click and choose 'Set Username and Password...'. A new window will appear. If all the devices have the same login credentials, then the credentials may be entered in the Username and Password fields at the top of the window. Clicking the set all button will configure AtlasIED Discover to use the newly set password for the selected devices. Each device can be set individually by editing the username and password field next to the respective device.



Note: This option does not change the login credentials of the devices, it only allows AtlasIED Discover to be able to make changes to the devices. This will need to be set each time AtlasIED Discover is restarted.

Factory Reset

The Reset to Factory Defaults option can be used to issue a factory reset command for one or multiple devices at once.

Additional Support

AtlasIED Tech Support can be reached at 1-800-876-3333 or www.atlasied.com/support.