ION Setup Version 3.2

About this document

This document is intended for Application Engineers, System Integrators, or other qualified personnel who are responsible for installing, configuring, maintaining, and using this software.

Location for downloading installer

https://www.se.com/ww/en/download/document/ION_Setup_Latest_Release

System Compatibility
This software is compatible with the following operating systems:

- Windows 7.0 SP1 or later

- Windows Server 2008 (SP2/R2 SP1) or later

- DotNet 4.7 framework or later is highly recommended

System Impact
This software should be only installed by users with Administrator privileges. A system reboot is usually not required.

File Integrity
Verifying the installer file integrity helps identify unexpected changes in the file caused by download issues or by tampering with the file.

NOTE: Do not use an installation file for which the integrity cannot be verified. In that case, download the installer again and check its integrity. Repeat this process until you have a correctly downloaded the file with confirmed integrity.

To verify the file integrity:

1. Download the ION Setup installer file.

2. Right-click the file and select **Properties**. A Properties dialog box opens.

3. In the Properties dialog, select the **Digital Signatures** tab.

4. In the Signature list, highlight the Name of signer. Click **Details**.

5. Verify that the digital signature is OK, and that the signer name shows **Schneider Electric**.
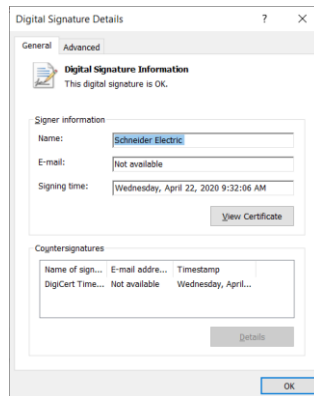
6. Click OK to close the Properties dialog box.

INSTALL INSTRUCTIONS

WARNING
UNINTENDED EQUIPMENT OPERATION
• Before installing the software, verify that the system is not performing critical control actions that may affect human or equipment safety.
• Verify correct system operation after the installation.
Failure to follow these instructions can result in death or serious injury.

WARNING
INACCURATE DATA RESULTS
• Before installing the software, verify that the system data results are not used for critical decision making that may affect human or equipment safety.
• Verify correct system data results after the update.
Failure to follow these instructions can result in death, serious injury, equipment damage, or permanent loss of data.

To install ION Setup:

NOTE: Computers with older versions of ION Setup (pre-V3.2) should be uninstalled prior to installing this version.

1. Log into the computer using Administrator privileges.

2. Right click the ION Setup file and select Run as Administrator.

3. Follow the steps in the installer to install ION Setup.

4. Verify that ION Setup operates correctly for authorized user accounts.

LATEST RELEASE NOTES

Release Date: **December 7, 2022**

Version: **3.2. 22341.XX**

Added functionality

- Added template logging for Modbus template saves

- Added SHA256 reporting for logging on some file usage operations

- Added ability to resize the Insert Item dialog to allow reading of longer site names when adding devices

Fixed items

- Issue with FTP file transfer using IPv6 resolved by switching to passive FTP file transfer method in all instances

- Issue with SFTP file transfer of custom HTML web page

- Updated default Advanced security file to more secure factory default options with webserver disabled

- Issue with Security wizard flagging possible invalid settings incorrectly

- Issue with Modbus template restore reporting incorrectly failing

- Issue with Template dialog not resizing dialog elements properly

- Issue with Template save log indicating upload result incorrectly

- Issue with incorrect template restore reporting actions incorrectly in certain circumstances

- Issue with missing Digital Output setup options for PM8000 setup assistants

- Issue with DGD meter access code not being read correctly after being entered

Removed items

- No removed functionality

PREVIOUS RELEASES FOR 2022

Release Date: **November 2, 2022**

Version: **3.2. 22306.01**

Added functionality

- No added functionality

Fixed items

- Issues with EM2xxx meter configuration report not reporting settings properly

- Issue with ION sessions being used over non TLS connections only for ION9K

- Issue with Modbus Tester UI not operating at high speed polling effectively

- Issue with real-time phasor viewer showing current labels using incorrect L to L notation

Removed items

- No removed functionality

Release Date: **October 5, 2022**

Version: **3.2. 22278.01**

Added functionality

- Added tooltips for ION Security wizard protocol lockout programming

- Added confirmation of zero lockout attempts in ION Security wizard

- Added informational dialog when enabling Legacy Security Support in Advanced ION configuration mode

Fixed items

- Issue of password enforcement for loading security files for Standard security on Release G firmware.

- Issue with Import Network functionality not working properly for standard installations

- Issue with improper password length restriction for Modbus based devices

- Issue with packet timing reporting for TLS traffic

- Issues with EM2xxx configuration dialogs not aligning with actual device configuration

Removed items

- No removed functionality

Release Date: **September 7, 2022**

Version: **3.2. 22250.01**

Added functionality

- Time of Use configuration for EM2xxx devices

Fixed items

- Issue with downgrading firmware to pre-V440 ION8650 firmware just aborting instead of allowing to proceed

- Issue with lack of bounds checking for protocol lockout attempts/timeout entries for Security wizard

Removed items

- No removed functionality

Release Date: **August 3, 2022**

Version: **3.2. 22215.01**

Added functionality

- Warning dialog added for Security wizard when Modbus access set to None

- New support for EM3570 data log configuration and viewing files

- Command line option to immediate connect to single ION meter via TCP

- Allow specifying TLS/TCP connections when using single ION meter mode for custom port numbers

Fixed items

- Remapped Modbus access to Read Only when selecting standard security when using recent HEP firmware plus legacy option

- Issue with Modbus Tester interface and displaying results of Read General Reference (0x14)

- Issue with improperly constructing Script portion of the XML DCF file

- Issue with regional time formats which have time markers preceding actual time values

- Issue with custom phasor labels when using xyz option or anything entered by user as custom

- Issue with some setup assistant phasor viewers showing incorrect voltage labels

- Issue with setup assistant phasor viewer showing incorrect angles when using clockwise rotation convention

- Issue with Time of Use holiday editing crashing application

- Issue with voltage wiring checklist procedure referencing only L-N voltage symmetrical readings even when operating in Delta

- Issue with DM2000 Demand Setup showing incorrect mode settings

- Issue with PRN file format not functioning properly when selected

Removed items

- No removed functionality

Release Date: **June 2, 2022**

Version: **3.2. 22154.02**

Added functionality

- Firmware upgrade result dialog now resizable to allow easier viewing of longer messages

Fixed items

- Issue with waveform trigger time not showing properly on chart display

- Issue with regional settings using period as a date separator

- Issue with Exit option being grayed out when Security wizard unable to program security settings properly

- Issue with displaying downgrade warning dialog for upgrade agent firmware

- Issue with off-line module check reporting improperly for on-line modules

- Issue with no error dialog providing unzip failure information

- Issue with DM2xxx SoE log entries not showing millisecond properly

- Issue with program crashing when performing template paste for non-RMP firmware

- Issue with ION Security wizard protocol lockout options dialog showing/editing of timeout when N/A

- Issue with some Setup Assistant viewing screens showing strange characters in labels due to phasor viewing label changes in April 2022 release

Removed items

- No removed functionality

Release Date: May 4, 2022

Version: 3.2. 22124.01

Added functionality

- Added Secure ION option to HEP Protocol assistants

Fixed items

- Issue with DM2000/DM3000 Digital Output configuration with Alarm item/limits not displaying/configuring properly

- Issue with certain wizards crashing ION Setup due to improper copy of configuration objects

- Issue with ION Setup crashing when pasting framelets or performing non-RMP template downloads

- Issue with PM55xx log timestamps showing up incorrectly

Removed items

- Removed support for pasting Comm Port Enable registers from 8650C template files that was causing issues when sending to non-C variants. These registers are now excluded for all variants including C variants.

- Removed feature set check and event log reset when performing framelet pasting

Release Date: **April 6, 2022**

Version: **3.2. 22096.01**

Added functionality

- Ability to modify phase labels for ION real-time phasor viewer from default 123 to other options like abc/rst and custom ones if desired

Fixed items

- Issue with improper input validation

- Issue with Basic metering products reporting setup errors when attempting to program digital input alarms when device has no digital inputs

- Issue with DM1xxx/DM3xxx products unable to show setup configuration screens

- Issue with PM2 alarms reporting errors during configuration due to non-consecutive alarm IDs not read prior to programming check

- Issue with miscalculation of waveform capture duration which span over the second boundary

- Issue with detection of FLOAT32 NaN for Modbus phasor viewer

- Issue with spaces in time marker causing timestamps showing incorrectly

- Issue with ION8650 Comm setting restore not writing comm setup registers properly

Removed items

- No removed items

Release Date: **March 2, 2022**

Version: **3.2. 22061.01**

Added functionality

- Added registry settings to allow for custom SFTP port forwarding operation when attempting to connect to ION meters.

- Preliminary file added for DM1xxx/DM3xxx and EM2xxx devices

Fixed items

- Fixed issue with Security wizard mistakenly check Factory user for meeting specified password requirements

- Began process of remediation for improper input validation

Removed items

- No removed items

Release Date: February 2, 2022

Version: 3.2. 22033.01

Added functionality

- Added ability to turn on security logging when using Advanced Security Password Updater.

- Added IP port type for non-standard IP port for direct Ethernet connected devices.

Fixed items

- Issue with incorrect attempt to read module managed class during non-RMP paste.

Removed items

- No removed items

Release Date: January 5, 2022

Version: 3.2. 22005.01

Added functionality

- Folders for new HEP variants added

Fixed items

- PM2000 Analog Output setup now uses Alternate PF Total reference register

- Secure ION connection via Single Device no longer runs infinitely

Removed items

- No removed items

As standards, specifications, and designs change from time to time, please ask for confirmation of the information given in this publication.