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Release Notes

Thermo Scientific 247 Instrument Controller

Hotfix 54836 for XPe and WES7 • **Rev A August 2019**

Rev B February 2020 (separate patch for Atlas included)

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1 Introduction

This document describes the installation and compatibility of **Hotfix-54836** for all models of **Thermo Scientific 247 Instrument Controller** running either Windows XP Embedded or Windows Embedded Standard 7. **Hotfix 54836** resolves the CVE-2019-0708 security vulnerability identified in Windows XP Embedded and Windows Embedded Standard 7 operating systems. This vulnerability is sometimes referred to as “Blue Keep”.

Revision B, 18th February 2020 adds a specific patch for Atlas customers. The original patch released on 2nd August 2019 (247PatchUtility_KB4500331_KB4499175.exe) should continue to be used for Chromeleon customers. The patch released on 2nd August 2019 was later discovered to only function for Chromeleon customers due to the Atlas image not having windows updater component installer included. The new patch (247PatchUtility_KB4500331_KB4499175_Atlas.exe) resolves this and should be used for Atlas customers.

2 Resolved Issues

ID	Description
54836	Patches required for 247 Instrument Controller to resolve Microsoft RDP security vulnerability CVE-2019-0708.

3 Installation

3.1 Prerequisites

Prior to installation, make sure you have the following:

- Thermo Scientific 247 Instrument Controller with either Windows XP Embedded (XPe) or Windows Embedded Standard 7 (WES7) firmware
- Local administrative privileges
- 247PatchUtility_KB4500331_KB4499175.exe (for Chromeleon users)
OR
- 247PatchUtility_KB4500331_KB4499175_Atlas.exe (for Atlas users)

3.2 Installation Instructions

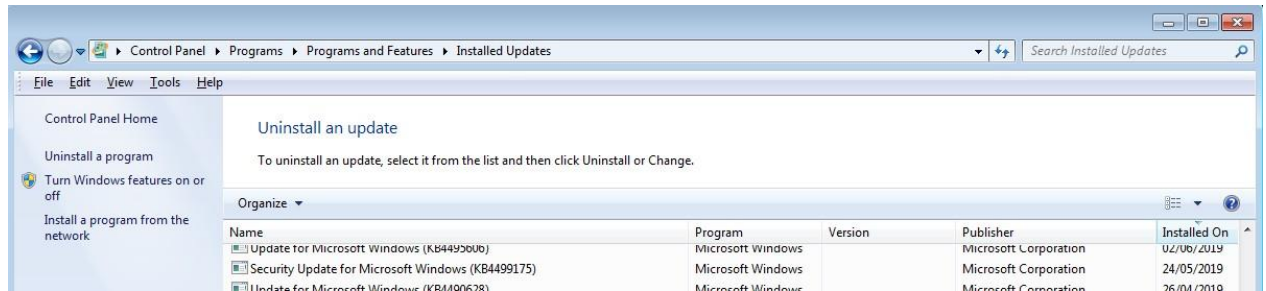
1. Log into the 247 Instrument Controller using an account with local Administrator privileges. This can be performed either through Microsoft Remote Desktop or by connecting a Keyboard, Monitor and Mouse and logging into the device directly.
2. Copy the self-executing patch 247PatchUtility_KB4500331_KB4499175.exe (or ..._Atlas.exe) into the **C:\Windows\TEMP** folder.
3. Using Control Panel, confirm that neither the Microsoft Windows update **KB4500331** or **KB4499175** is present on the 247.
4. Double-click on the **247PatchUtility_KB4500331_KB4499175.exe** (or ..._Atlas.exe) to start the installation process.
5. As the utility executes, it will automatically reboot the 247 several times.
6. Once the utility has completed, use Control Panel again to confirm that either **KB4500331 (for XPe)** or **KB4499175 (for WES7)** is now successfully installed on the 247.
7. The update process is now complete and the 247 Instrument Controller is ready for use.

3.3 Compatibility

The installation kit, **247PatchUtility_KB4500331_KB4499175.exe** (and **..._Atlas.exe**) released as **Hotfix 54836** is compatible with 247 Instrument Controllers with either XPe or WES7 firmware installed.

3.4 Verification

1. As described in step 3 of Section 3.2 “Installation Instructions”, following installation of Hotfix 54836, either KB4500331 (for XPe) or KB4499175 (for WES7) will be listed in the Installed Windows Updates view in Control Panel:



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