

Doc.No: M2T-1ETMidSA0004

09 June 2017

Anritsu Corporation

MS2830A

Security Update against WannaCrypt Ransomware

— Installation Instructions —

1 Overview

This document describes instructions for installing the security update against the WannaCrypt* (ransomware) worm to the Windows Embedded Standard 2009(WES2009) or Windows Embedded standard 7(WES7) OS built in the MS2830A.





*WannaCrypt is also known as WannaCry, WannaCryptor or Wcry.

If MS2830A is already infected by WannaCrypt, perform System Recovery and then install this security update.

Note:

Data should be backed-up before System Recovery, because all applications and updates installed after factory shipment are lost and data saved in the C drive is initialized at System Recovery.

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3 Instructions

3.1 Preparing

1. Equipment needed for installation

The following equipment is needed for installing the update.

- Internet-connected PC
- USB flash memory that can be mounted on both MS2830A and PC desktops.
The USB flash memory must not have any security management function.
- Mouse and keyboard for operating MS2830A.

Note:

Scan and confirm that the PC and USB flash memory are not infected by any malware.

2. Backing-up important files

We recommend creating a backup of important data* to external storage such as USB flash memory to guard against data loss problems when installing the update.

* Waveform data, analysis results, configuration files, and other important files.

Note:

Anritsu will not be held liable for loss of data on the storage device in MS2830A.

3.2 Confirming Windows Version of MS2830A

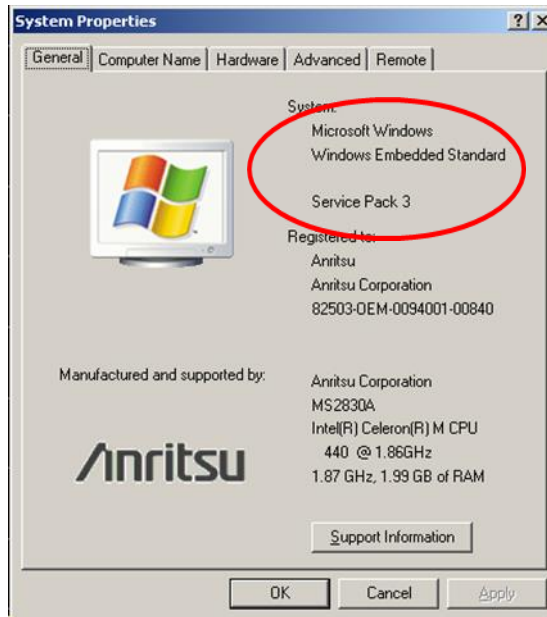
Confirm the build version of the Windows OS in the MS2830A.

- Windows Embedded Standard 2009 (WES2009)
- Windows Embedded Standard 7 (WES7) (64-bit)

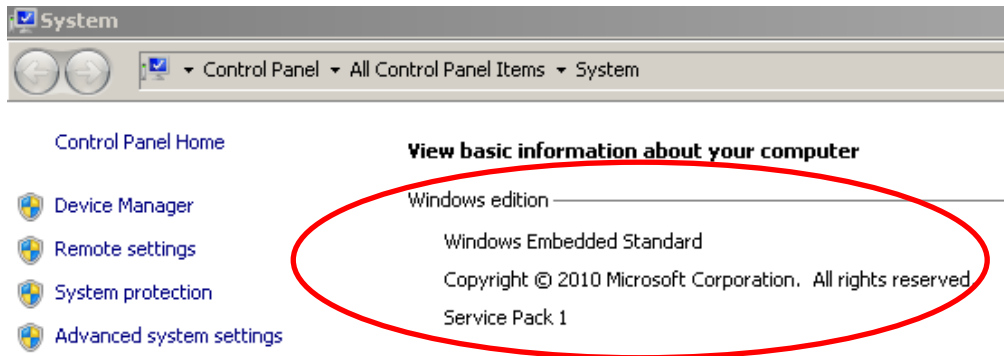
1. Right-click “Computer” or “My Computer” from the Windows “Start” menu and click “Properties” from the displayed right-click-menu.

2. Confirm the Windows version on the displayed System Properties window.

- Windows Embedded Standard 2009 (WES2009)



- Windows Embedded Standard 7 (WES7) (64-bit)



3.3 Obtaining Update

Download the correct update from Microsoft's homepage.
Use an Internet-connected PC to download the update.

This section describes the PC operation for downloading.

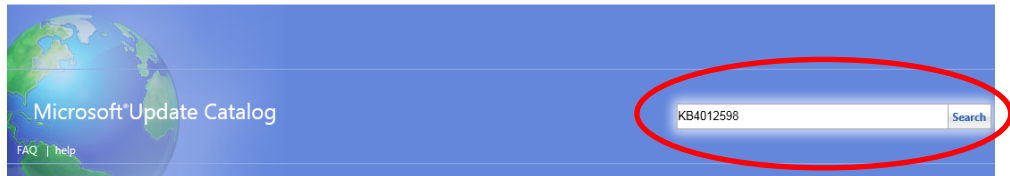
Note:

DO NOT connect the MS2830A directly to the Internet to download the update.

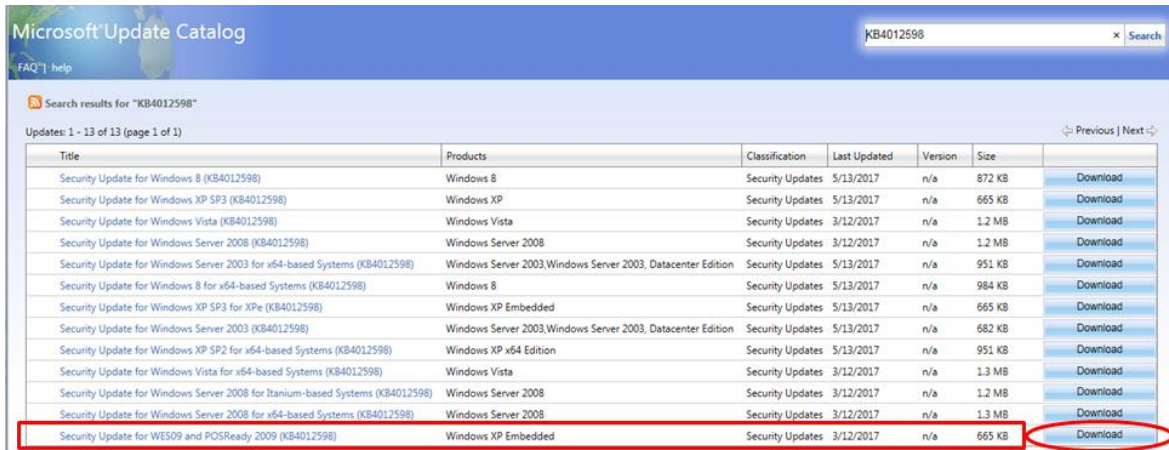
- If the MS2830A is running Windows Embedded Standard 2009 (WES2009)
 1. Access the following page and download the update for WES2009 against WannaCrypt.

<http://www.catalog.update.microsoft.com/Home.aspx>

Input KB4012598 in the following box and click "Search".



2. At the displayed catalog page, click "Download" for "Security Update for WES09 and POSReady 2009 (KB4012598) Windows XP Embedded".



Title	Products	Classification	Last Updated	Version	Size	
Security Update for Windows 8 (KB4012598)	Windows 8	Security Updates	5/13/2017	n/a	872 KB	Download
Security Update for Windows XP SP3 (KB4012598)	Windows XP	Security Updates	5/13/2017	n/a	665 KB	Download
Security Update for Windows Vista (KB4012598)	Windows Vista	Security Updates	3/12/2017	n/a	1.2 MB	Download
Security Update for Windows Server 2008 (KB4012598)	Windows Server 2008	Security Updates	3/12/2017	n/a	1.2 MB	Download
Security Update for Windows Server 2003 for x64-based Systems (KB4012598)	Windows Server 2003, Windows Server 2003, Datacenter Edition	Security Updates	5/13/2017	n/a	951 KB	Download
Security Update for Windows 8 for x64-based Systems (KB4012598)	Windows 8	Security Updates	5/13/2017	n/a	984 KB	Download
Security Update for Windows XP SP3 for xPe (KB4012598)	Windows XP Embedded	Security Updates	5/13/2017	n/a	665 KB	Download
Security Update for Windows Server 2003 (KB4012598)	Windows Server 2003, Windows Server 2003, Datacenter Edition	Security Updates	5/13/2017	n/a	682 KB	Download
Security Update for Windows XP SP2 for x64-based Systems (KB4012598)	Windows XP x64 Edition	Security Updates	5/13/2017	n/a	951 KB	Download
Security Update for Windows Vista for x64-based Systems (KB4012598)	Windows Vista	Security Updates	3/12/2017	n/a	1.3 MB	Download
Security Update for Windows Server 2008 for Itanium-based Systems (KB4012598)	Windows Server 2008	Security Updates	3/12/2017	n/a	1.2 MB	Download
Security Update for Windows Server 2008 for x64-based Systems (KB4012598)	Windows Server 2008	Security Updates	3/12/2017	n/a	1.3 MB	Download
Security Update for WES09 and POSReady 2009 (KB4012598)	Windows XP Embedded	Security Updates	3/12/2017	n/a	665 KB	Download

- At the Download screen, click the file name and save the file to the PC. Copy the file to USB flash memory.



- If the MS2830A is running Windows Embedded Standard 7 (WES7) (64-bit)
 - Access the following page and download the update for WES7 against WannaCrypt.

<http://www.catalog.update.microsoft.com/Home.aspx>

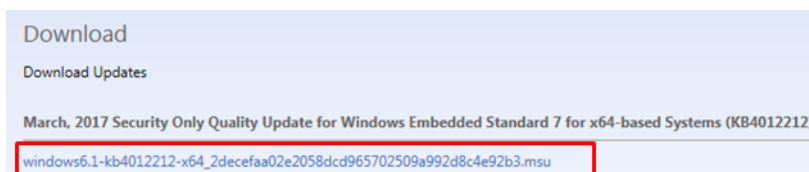
Input KB4012212 in the following box and click “Search”.



- At the displayed catalog page, click “Download” for “March, 2017 Security Only Quality Update for Windows Embedded Standard 7 for x64-based Systems (KB4012212) Windows Embedded Standard 7”.



- At the Download screen, click the file name and save the file to the PC. Copy the file to USB flash memory.



3.4 Installing Update in MS2830A

Quit all applications installed in the MS2830A by the customer.

1. Copy the update downloaded as described section 3.3 “Obtaining Update” to USB flash memory and then plug this memory into the MS2830A USB port.
2. Copy the file to the desktop of MS2830A.
After copying, unmount the USB flash memory from the desktop.

Note:

Unmount the USB flash memory by clicking the USB Eject icon on the taskbar at the bottom right of the screen and then remove the USB flash memory from the USB port.

3. Install the update.

Double-click the copied file.

The update program will launch. Follow the displayed instructions to continue installation.

4. After the installation, restart Windows.

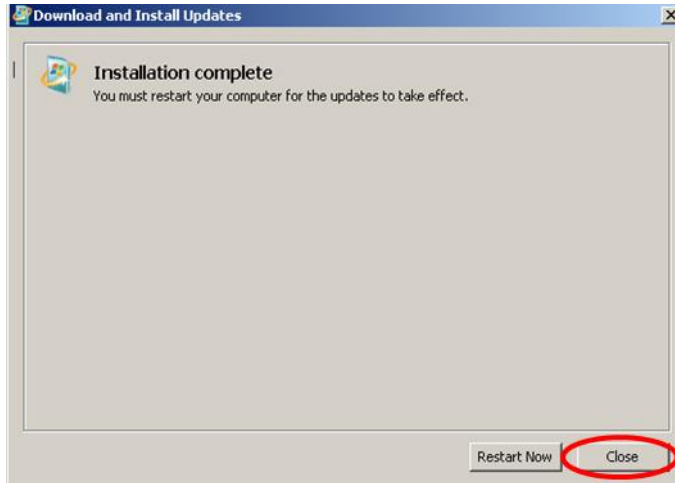
- If the MS2830A is running Windows Embedded Standard 2009(WES2009)

Check “Do not restart now” and click “Finish”.

Power-down the MS2830A using the power button and then reboot.

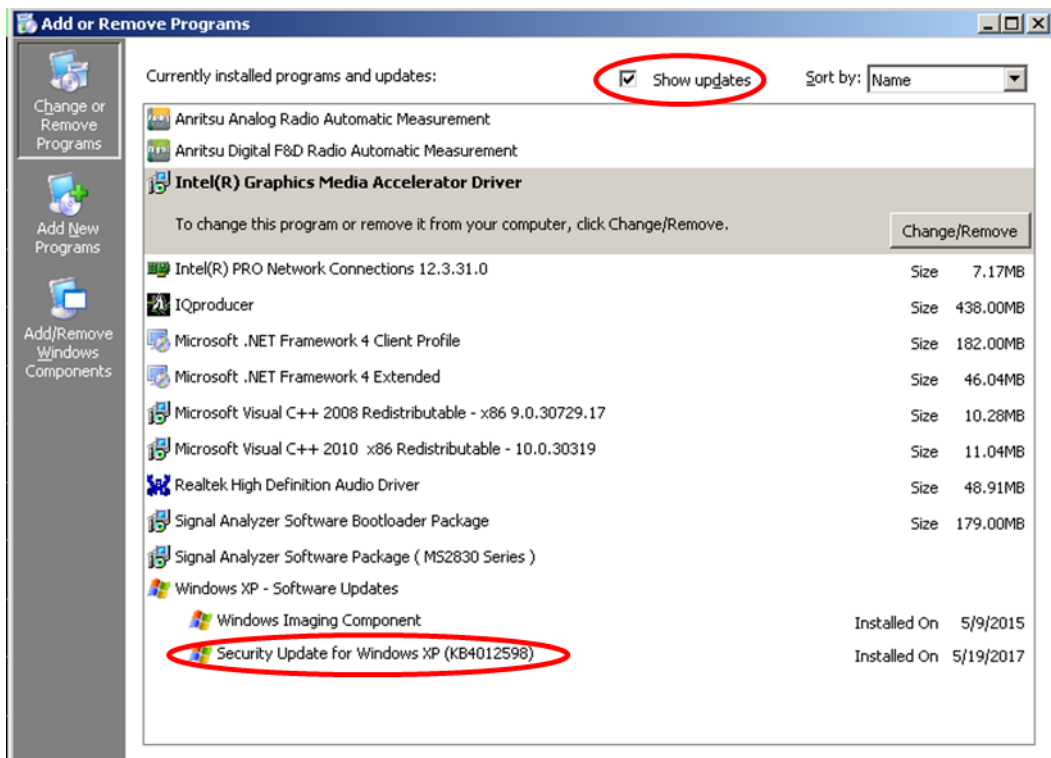


- If the MS2830A is running Windows Embedded Standard 7 (WES7) (64-bit)
Click “Close”.
Power down the MS2830A using the power button and then reboot.



3.5 Confirming Update after Installation

- If the MS2830A is running Windows Embedded Standard 2009 (WES2009)
Confirm the installation of the update.
 1. Click “Start” and select “Control Panel”.
 2. Select “Add or Remove Programs”.
 3. Check “Show Updates” at the top and confirm the presence of “Security Update for Windows XP (KB4012598)” as follows.

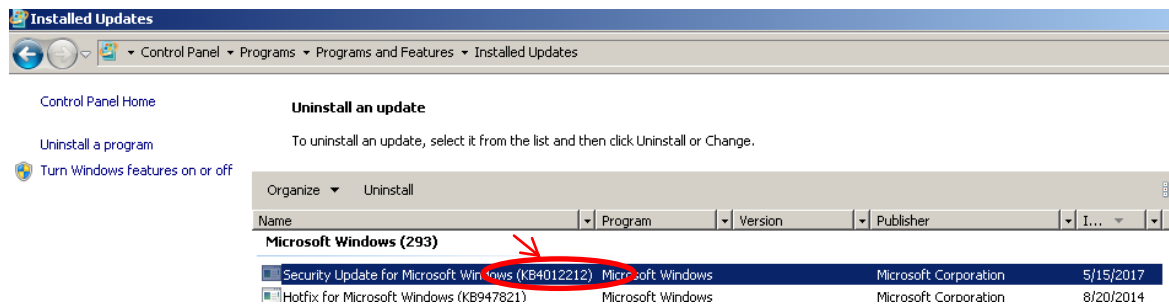


4. Delete the update file.

When the installation is confirmed, the copied file download is not needed.
Delete it from the desktop.

- If the MS2830A is running Windows Embedded Standard 7 (WES7) (64-bit)
Confirm the installation of the update.

1. Click “Start” on the Windows taskbar and select “Control Panel”.
2. Select “View installed updates” in the displayed items when selecting “Programs”.
3. Confirm the presence of KB4012212 as follows.



4. Delete the update file.

When the installation is confirmed, the copied file is not needed. Delete it from the desktop.

4 Other Notes

- System Recovery

If System Recovery is executed after installing this update, re-install this update as described in section 3 “Instructions”.

- When MS2830A-313 is installed

Install the update as described in section 3 “Instructions” when MS2830A Removable HDD is used.

- Contact

For questions about these instructions, update installation failures or unclear points, contact your Anritsu Service Center or Sales office.

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