

M9036A-05

Modification Recommended Service Note

Supersedes:
NONE

M9036A PXIe Embedded Controller

Serial Numbers: TW00000000-TW57280279

Prevention of WannaCry/WannaCrypt Ransomware Cyberattack

Parts Required:

P/N Description Qty.

NONE

ADMINISTRATIVE INFORMATION

ACTION	X	ON SPECIFIED FAILURE	STANDARDS				
CATEGORY:	<input type="checkbox"/>	AGREEABLE TIME	LABOR:	0.5 Hours			
LOCATION	X	CUSTOMER INSTALLABLE	SERVICE:	<input type="checkbox"/> RETURN	USED	<input type="checkbox"/> RETURN	
CATEGORY:	<input type="checkbox"/>	ON-SITE (active On-site contract required)	INVENTORY:	<input type="checkbox"/> SCRAP	PARTS:	<input type="checkbox"/> SCRAP	
	X	SERVICE CENTER		X	SEE TEXT	X	SEE TEXT
	<input type="checkbox"/>	CHANNEL PARTNERS					
AVAILABILITY:		PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL:	June 1, 2018			
	<input type="checkbox"/>	Calibration Required	PRODUCT LINE:	BL			
	X	Calibration NOT Required	AUTHOR:	TP			

ADDITIONAL INFORMATION:

Situation:

On May 12, 2017, the WannaCry (also known as WannaCrypt) ransomware cryptoworm made a worldwide cyberattack targeting computers running the Microsoft Windows operating system by encrypting data and demanding ransom payments in the Bitcoin cryptocurrency. The embedded controllers with serial number range listed above could be vulnerable if appropriate malware protection was not taken. For more information, refer to [WannaCrypt ransomware worm targets out-of-date systems](#) and [Customer Guidance for WannaCrypt attacks](#).

Solution/Action:

Keysight strongly recommends taking the actions specified below to secure your embedded controller.

1. From a secured system, download the update from the [KB4012215](#) website. Select the appropriate update depending your embedded controller operating system (OS).
 - 32-bit WES7 OS: Download the “March, 2017 Security Monthly Quality Rollup for Windows Embedded Standard 7 (KB4012215)”.
 - 64-bit WES7 OS: Download the “March, 2017 Security Monthly Quality Rollup for Windows Embedded Standard 7 for x64-based Systems (KB4012215)”.
 - 32-bit Win7Pro OS: Download the “March, 2017 Security Monthly Quality Rollup for Windows 7 (KB4012215)”.
 - 64-bit Win7Pro OS: Download the “March, 2017 Security Monthly Quality Rollup for Windows 7 for x64-based Systems (KB4012215)”.
 - 32-bit WinXP OS: Download the special security updates at [Windows XP SP3 x86](#).
2. Transfer the downloaded update to the vulnerable embedded controller and install it.
3. To get notification of updates for prevention of future threats, open Start → Control Panel → System and Security → Windows Update → Change Settings → select “Check for updates but let me choose whether to download and install them”. For Windows XP OS, open Start → Control Panel → Security Center → Automatic Updates → select “Notify me but don’t automatically download or install them”.

Choose how Windows can install updates

When your computer is online, Windows can automatically check for important updates and install them using these settings. When new updates are available, you can also install them before shutting down the computer.

[How does automatic updating help me?](#)

Important updates

Install updates automatically (recommended)
Download updates but let me choose whether to install them
Check for updates but let me choose whether to download and install them
Never check for updates (not recommended)

Recom:

Give me recommended updates the same way I receive important updates

Who can install updates

Allow all users to install updates on this computer

Note: Windows Update might update itself automatically first when checking for other updates. Read our [privacy statement online](#).

Revision History:

Date	Service Note Revision	Author	Reason for Change
12 June 2017	01	TP	As Published