



JLA420A Software(Teraview2)

Installation Manual

Version 2.0e

2021-01-28

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1 Version History

Date	Version	Changes
2020-07-16	1.0	Initial release (English version)
2021-01-28	2.0	Change the TeraView2.0 environment setup guide

2 Introduction

This chapter describes the Hardware/Software requirements and procedures for installing PCIe Host adapter card/Window driver in Storage Server to connect to JLA420A Protocol Analyzer.

3 Storage Server Requirement & JLA420A HW Setup

Your storage server must meet the minimum requirements described in this section.

3.1 Hardware Recommendation

DELL Server T430 with Xeon E5-2623 3.0GHz, 10M cache, RDIMM 32GB(2400MT/s)

RAID Card: Dell PowerEdge RAID Controller H730P (8-Port 12Gbps SATA/SAS)

SSD: 16TB (1TB * 16ea - SATA3, or PCIe)

RAID sequential write performance should be at least 5 GB/s.

3.2 Operating System Recommendation

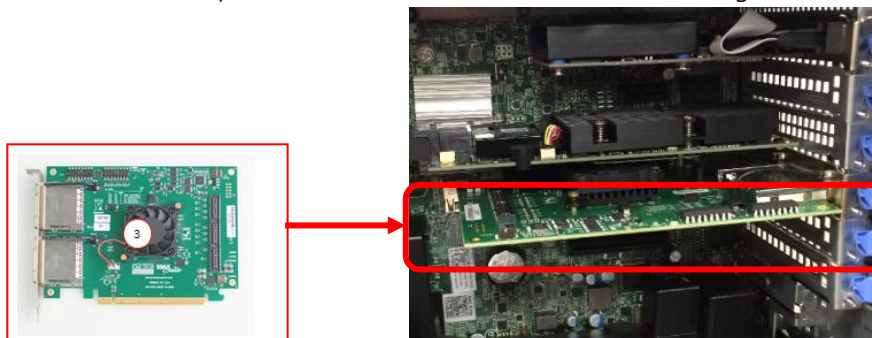
Microsoft Windows7 Professional 64-bit

Window 10 Professional 64-bit

* Recommended resolution for Display: 1920 x 1080

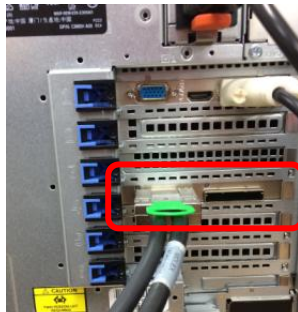
3.3 Installing PCI Host Adapter

Install PCI Host adapter (Gen3x8) into PCIe Slot (Gen3x16) of Storage Server.



3.4 Connecting PCI Cable

Connect PCIe cable to PCI Host adapter and JLA420A Protocol analyzer.



3.5 Turning on Protocol Analyzer

Power on the Protocol analyzer.

Power on the Host PC.

Make sure the "Ready" (Status LED) is turned on and the "Ready" LED will be lit yellow.

(Check that the yellow LED(Ready) is turned on.)



LED	Status	Description
Yellow	Ready	Yellow LED shows that Link is connected to PCIe Gen3 X8 properly.
Green	Capture	During in Capture, Green LED is turned on.
Red	Trigger	Red LED shows that Trigger, which you set, is detected.

4 Unzip "JLA420A_Software_vxxx.zip" to your server.

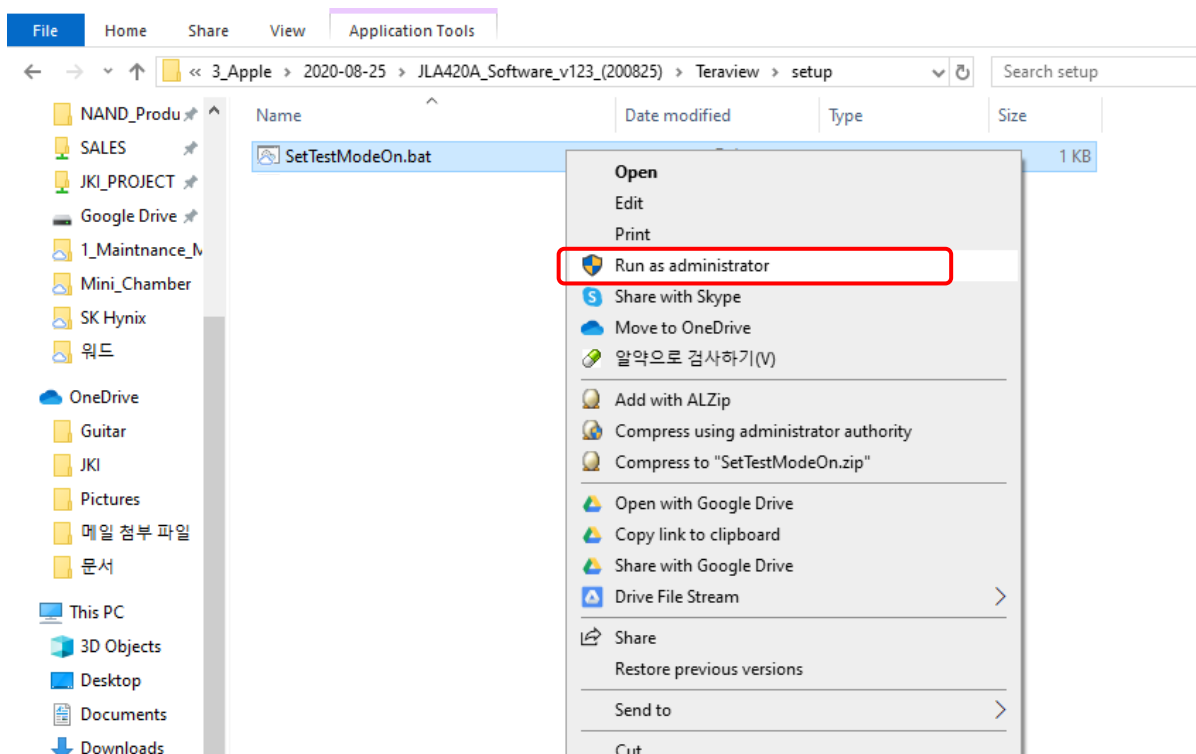
Unzip "JLA420A_Software_vxxx.zip". (to your local HDD/SSD drive, not RAID storage). The file directory will be as below.

Name	Date modified	Type
Installers	2020-08-24 오후 3:50	File folder
Manual	2020-08-24 오후 3:50	File folder
Sample	2020-08-24 오후 3:50	File folder
Teraview	2020-08-24 오후 3:50	File folder

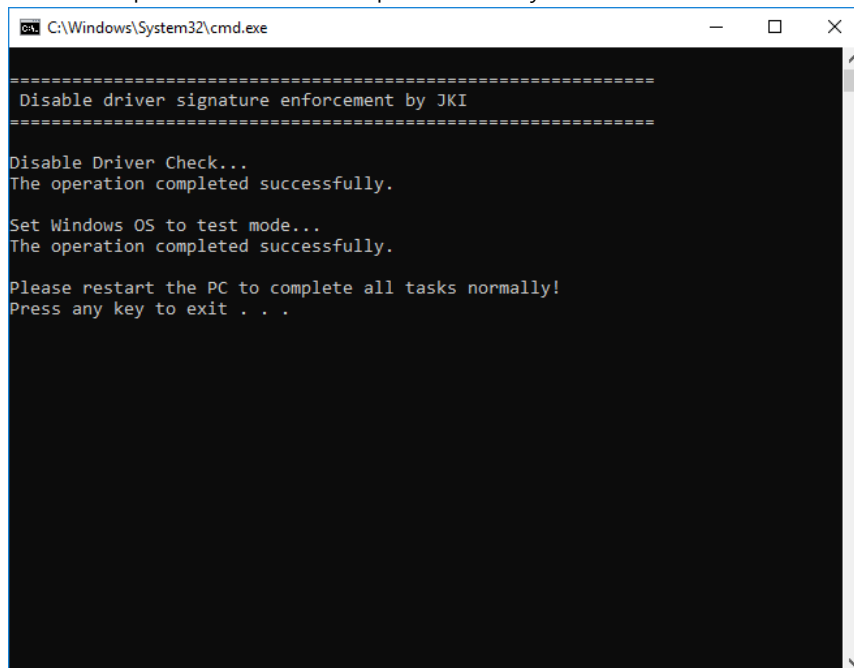
5 Setup Windows Environment & Installing Windows Drivers

5.1 Set up Windows Test Mode.

Run "SetTestModeOn.bat" as administrator as below. (need this process to install PCIe driver/setup files.)



CMD window will be opened as below. then press Enter key.



```
C:\Windows\System32\cmd.exe

=====
Disable driver signature enforcement by JKI
=====

Disable Driver Check...
The operation completed successfully.

Set Windows OS to test mode...
The operation completed successfully.

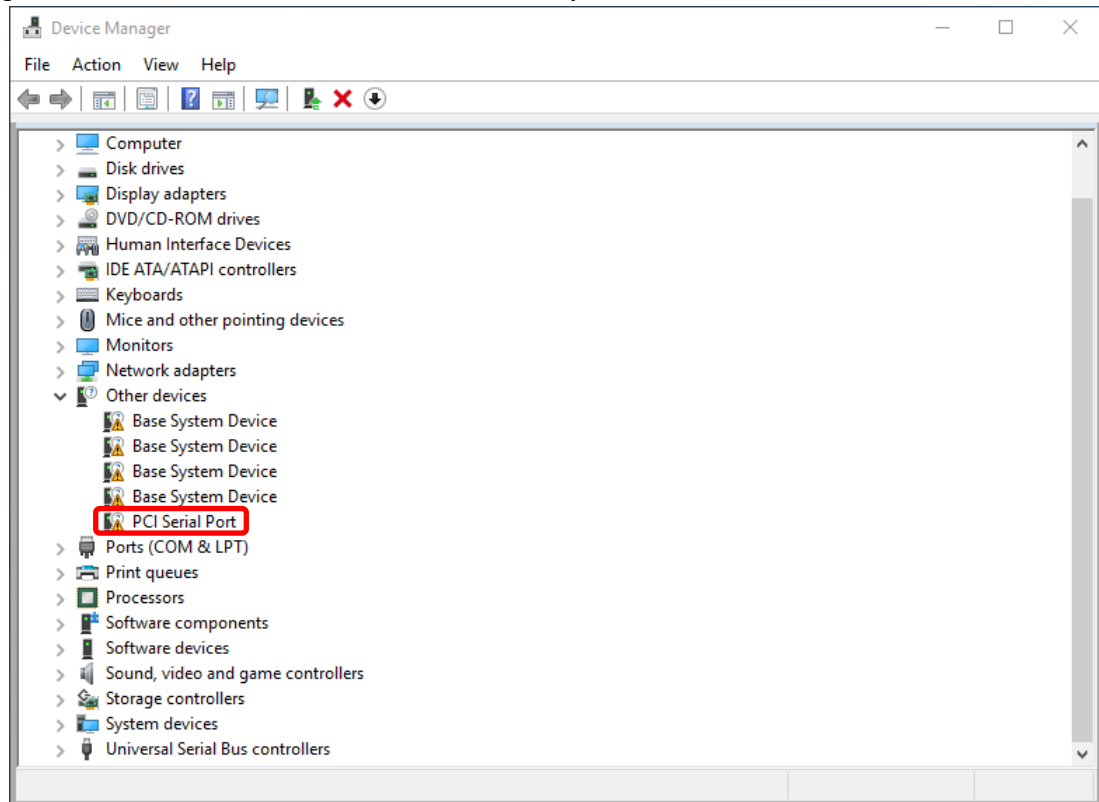
Please restart the PC to complete all tasks normally!
Press any key to exit . . .
```

5.2 Windows Driver Installation for JLA420A Protocol Analyzer.

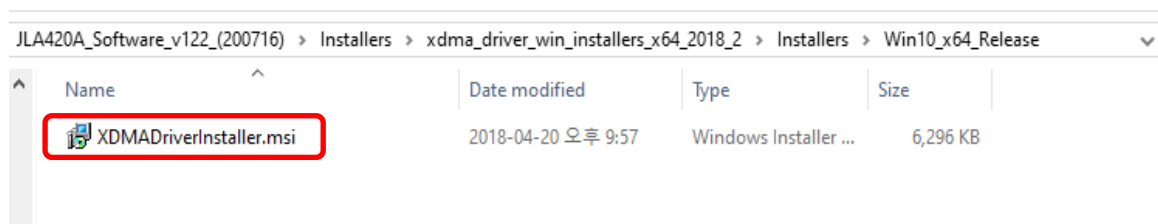
On the Control Panel, Click on Device Manager.

You can see the screen as below:

Unrecognized "**PCI Serial Port**" is JLA420A PCI device and you should install Windows driver.



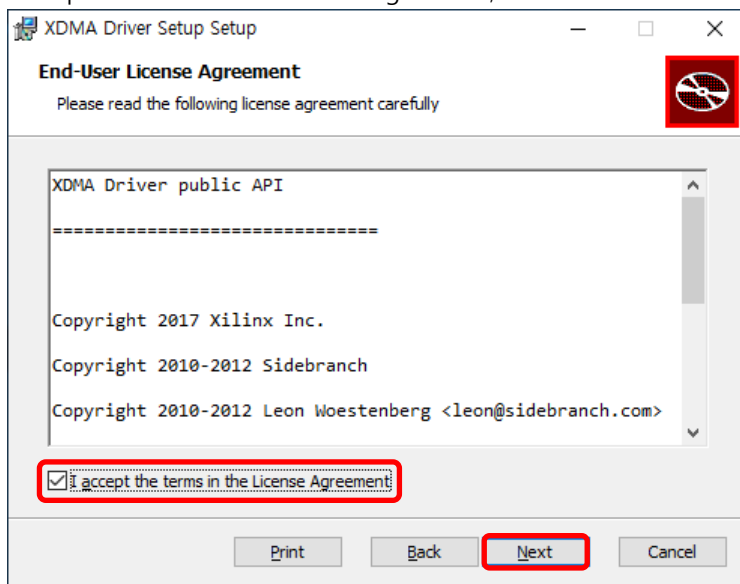
Run "**XDMADriverInstaller.msi**" to install Windows driver.



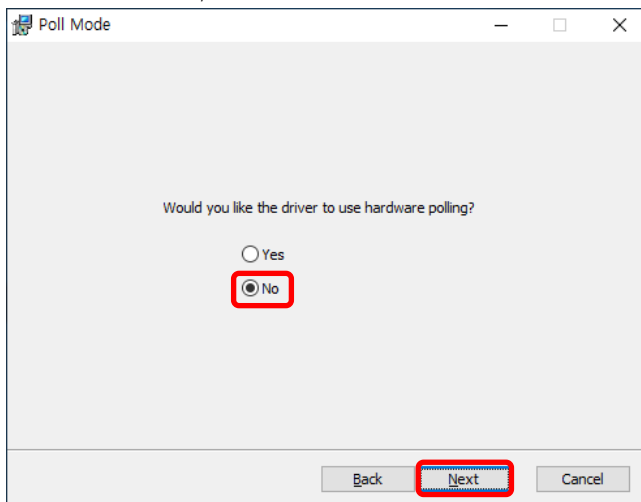
On XDMA Driver Installer, Click on **Next>**



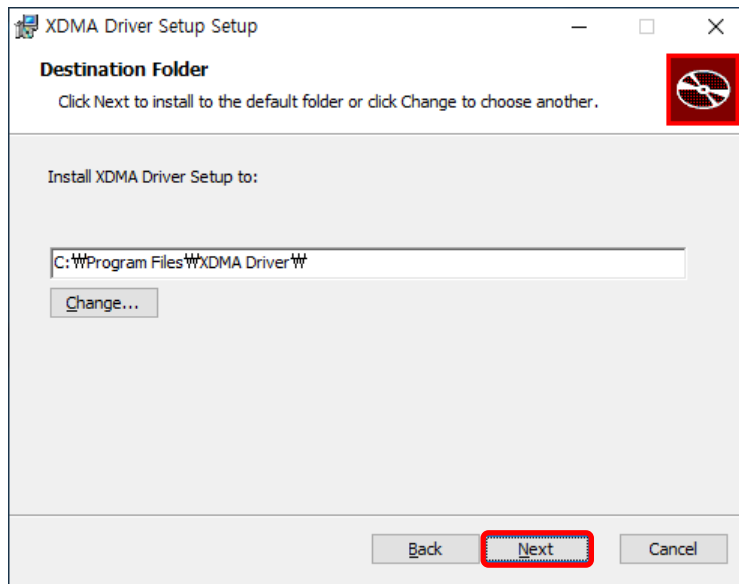
Select "I accept the terms in the License Agreement", then click on "Next".



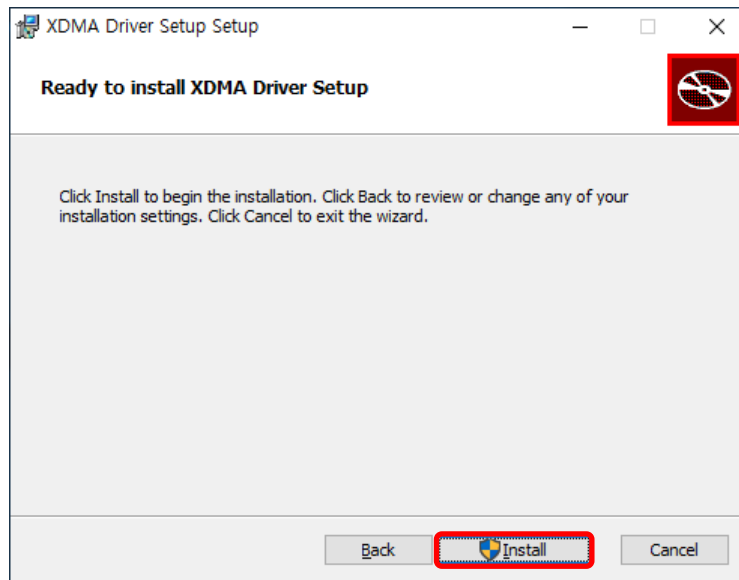
Select "No" in Poll Mode, and click on "Next"



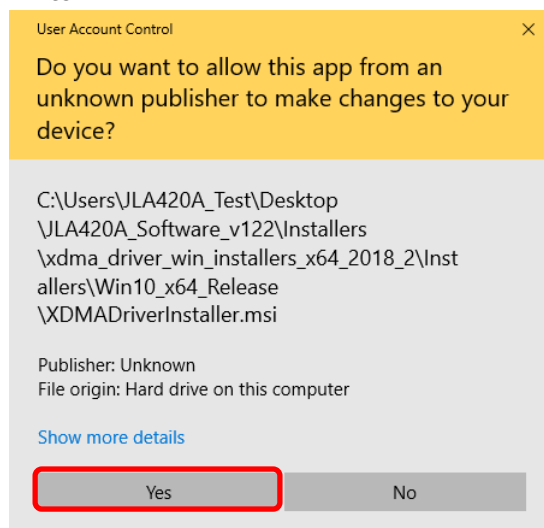
Click on "Next"



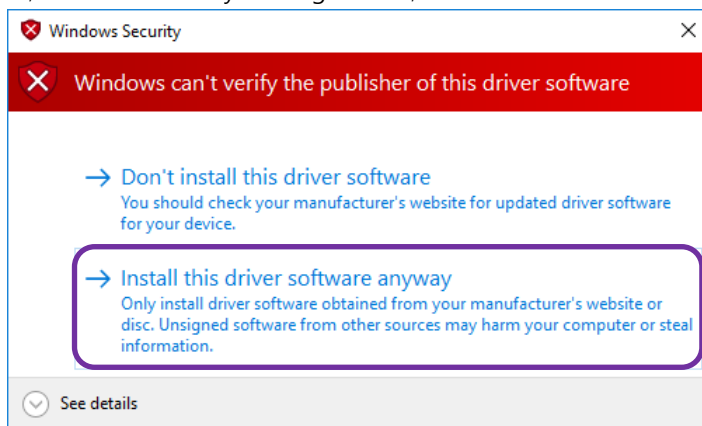
Click on "Install"



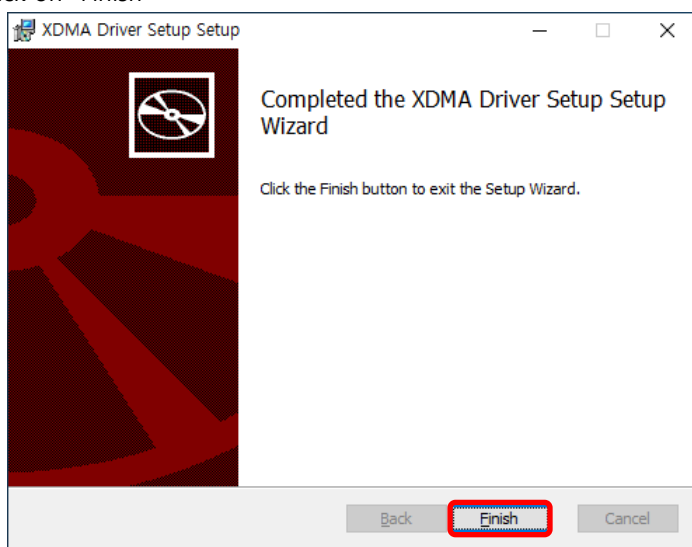
Click on "Yes"



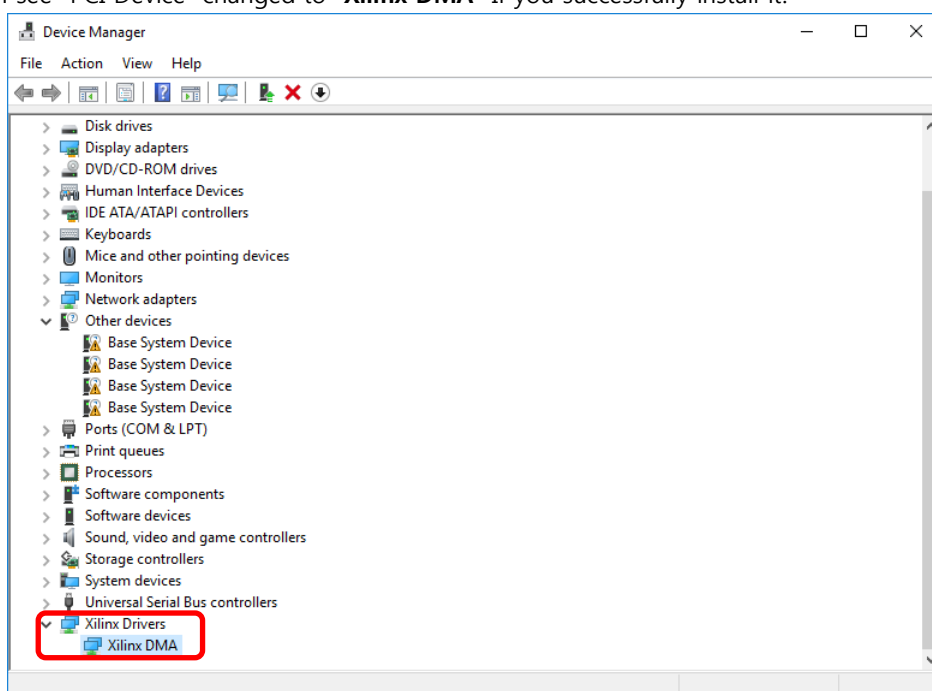
If you see, Windows Security message below, Select **"install this driver software anyway"**



① Click on "Finish"



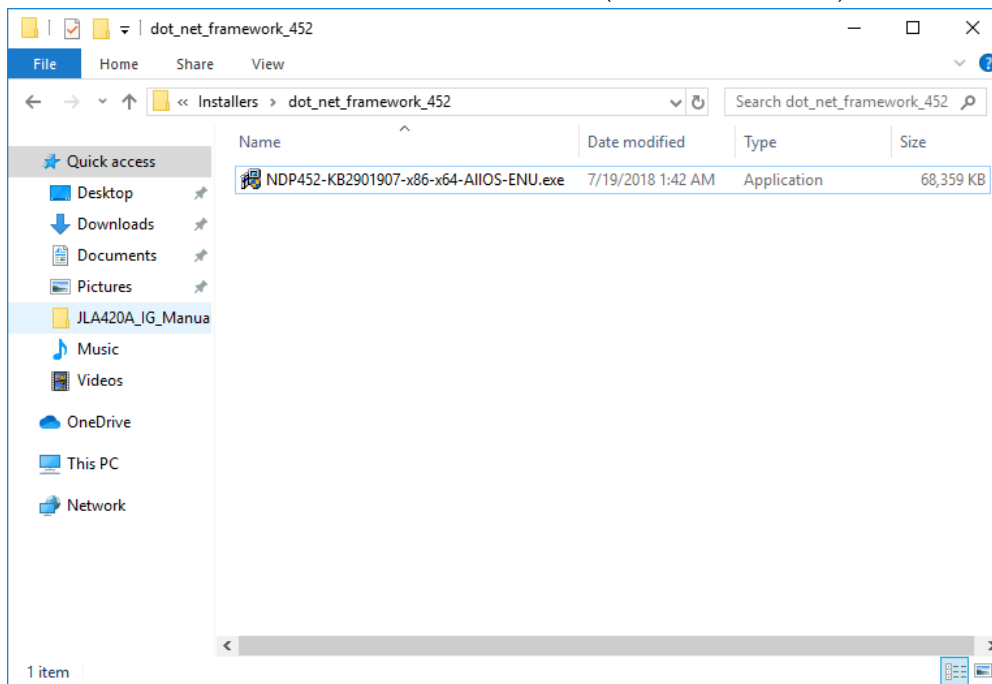
On Device Manager, Double-Check whether JLA420A Windows Driver (Xilinx device Drivers) is installed or not.
You can see "PCI Device" changed to **"Xilinx DMA"** If you successfully install it.



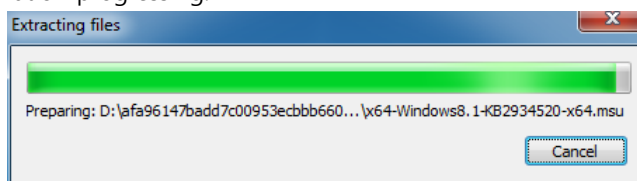
5.3 .NET Framework 4.5.2 Installation (Windows 7 OS only)

*If you already have NET Framework 4.5.2(or above), you don't need this process.

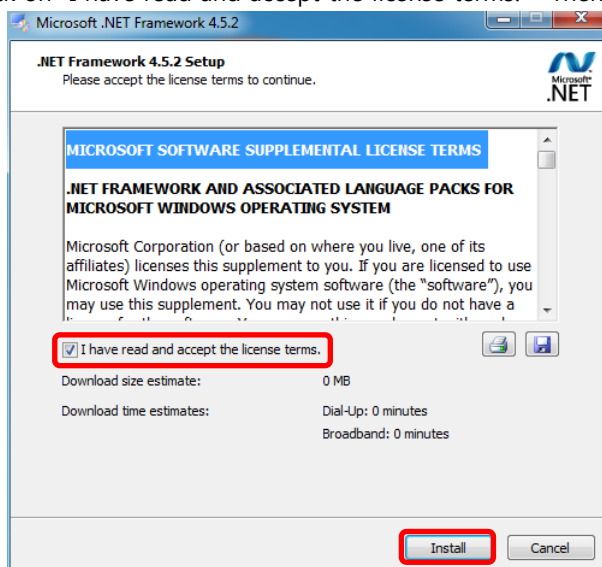
Double-click "NDP452-KB2901207-x86-x64-AllOS-ENU.exe" (.NET Framework4.5.2)



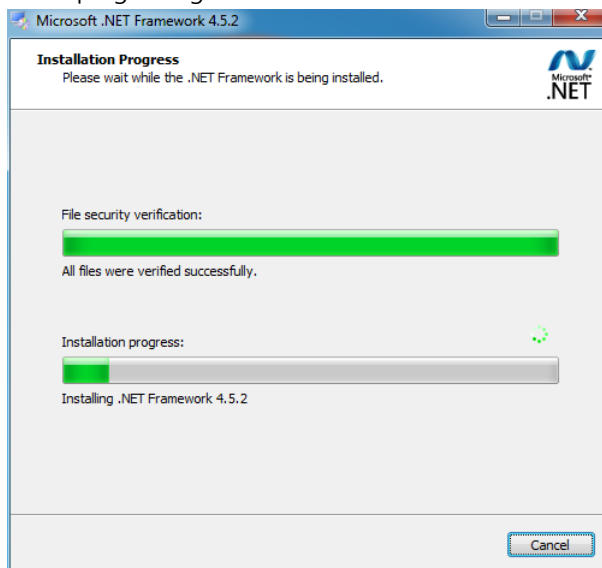
Installation progressing.



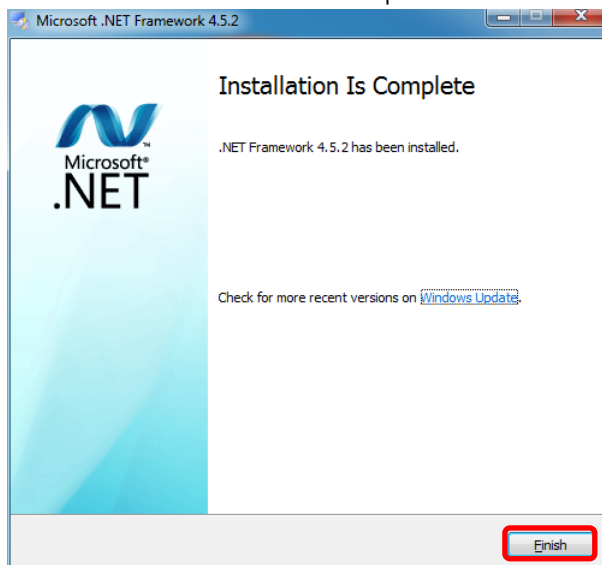
Check on "I have read and accept the license terms." Then Click on Install



Installation progressing.

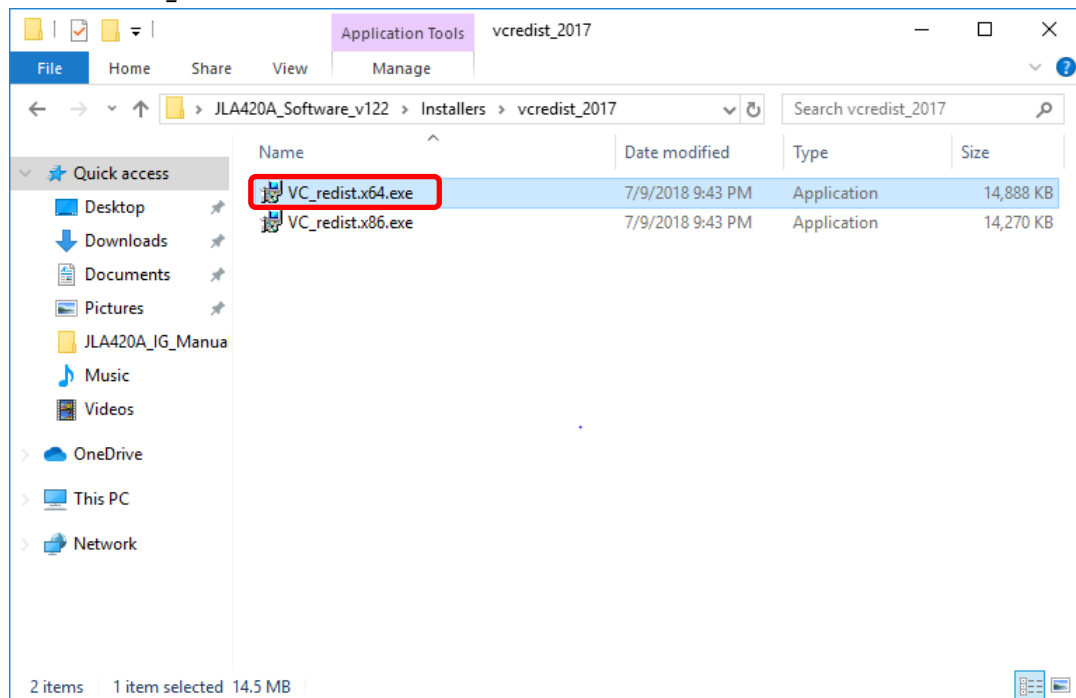


Click on **Finish** when Installation is complete.

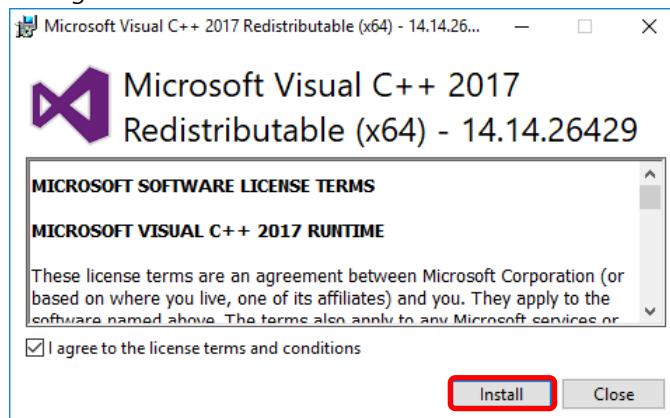


5.4 VC++ Redistributable package 2017 Installation

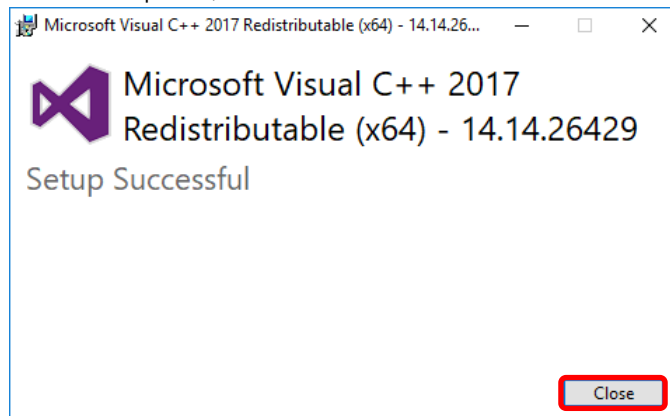
Double-click "vcredist_x64.exe"



Check on "I agree to the license terms and conditions" then Click on Install.



If installation is completed, Click on **Close**.

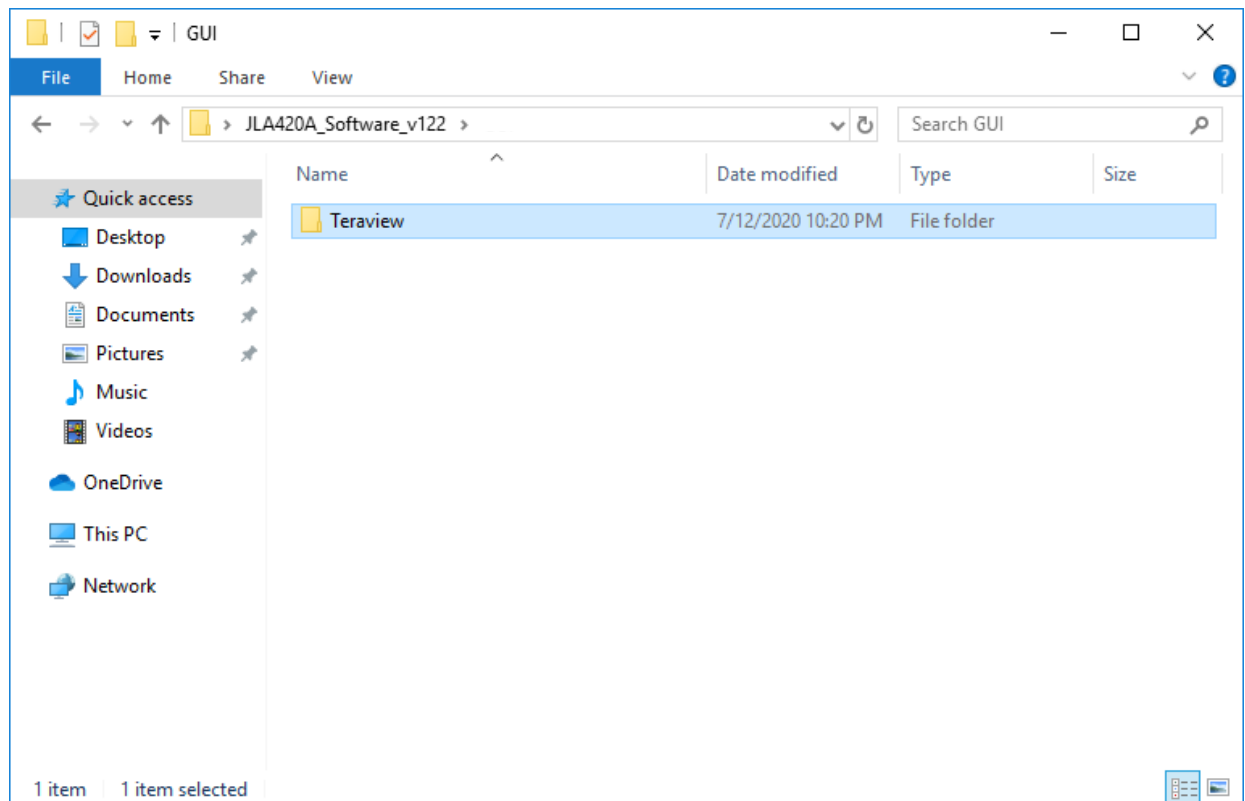


6 TeraView2.0 Installation & Setup

6.1 Environment setup

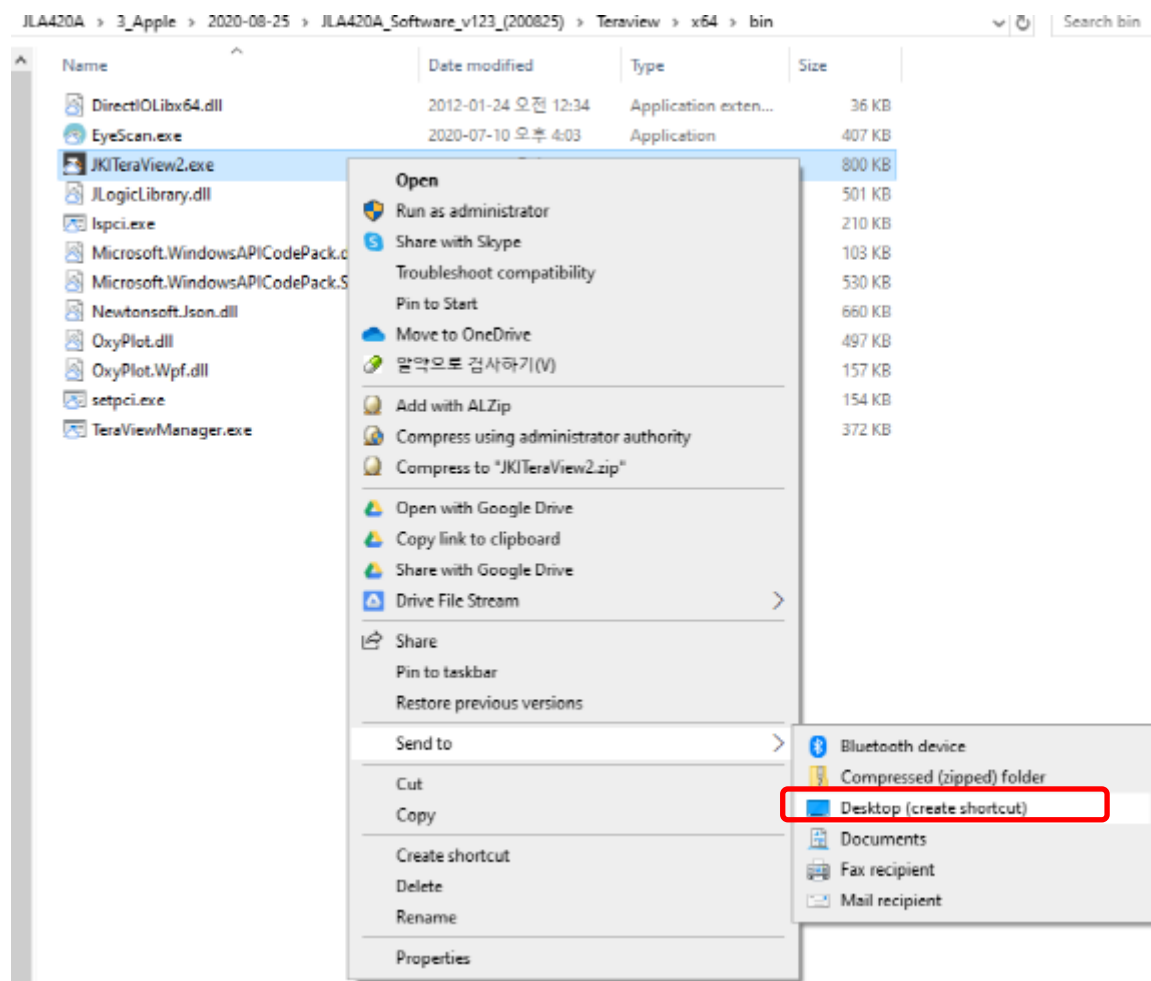
From version 2.0.0, it can be used flexibly without fixed path.

You can use it by copying it to any path you want.



6.2 Create "JKITeraView2" icon in Desktop

Create "JKITeraView2" Shortcut in Windows Desktop screen as below.



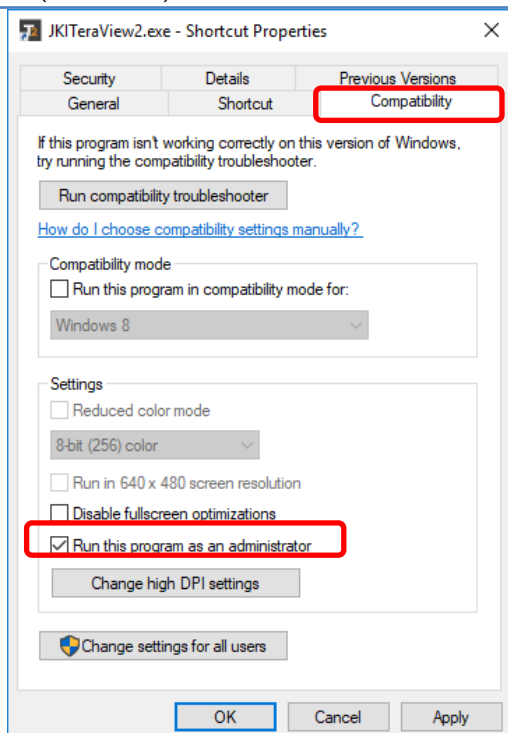
Created JKITeraView2 icon on the Windows desktop as below



Click on right button of Mouse on JKITeView2 icon, then Select "Property"

Check on "Run the program as an administrator" in compatibility.

Then Click on "OK"



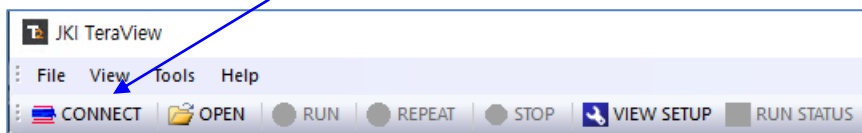
6.3 Start Program

On the Windows desktop, double-click the "T2" shortcuts.



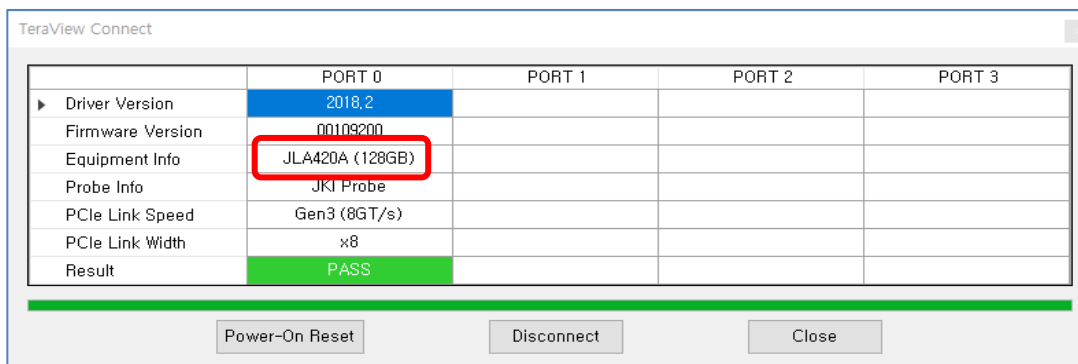
6.4 Connect Instruments

After it runs, click the "CONNECT" in Main menu.



If it is connected successfully, PASS status shows as below.

"Hardware Info." The item displays the size of the memory installed with the name of the connected instrument as shown below.



After all the work, Off Line status changes to On Line located at JKITeraView2 Screen's lower end as below.

