



Cigent Secure SSD – K2

Quick Start Guide



Date: Apr 2, 2021
Document Version: 1
D3E Version 2.4.X



Introduction

The advanced cybersecurity defenses built into the operating firmware of Cigent SSDs repel ransomware attacks and prevent data theft even when all other cybersecurity protections fail or are bypassed. When used in conjunction with Cigent Dynamic Data Defense Engine™ for Windows (D3E), Cigent Secure SSDs protect data throughout the entire device lifecycle—from provisioning to end-of-life—defending against a vast number of threat vectors.

Available in K2 NVMe internal and external configurations, the Cigent Secure SSD comes in three sizes—512GB, 1TB, and 2TB. It can be installed as the primary storage device on a Windows PC where the O/S runs, as secondary internal storage (such as in a desktop tower), or as external media plugged into a USB port.

The Cigent Dynamic Data Defense Engine™ (D3E) is a new approach to data security, one that complements existing solutions and places the importance of protecting data above all else. D3E takes concepts used in threat containment and continuous authentication and applies them as close to the data stream as possible, bringing proactive protection directly to your data. D3E allows users to safely and easily access critically important information, even if the system is already compromised. The result is an unprecedented level of protection, detection, and response to cyberattacks, insider threats, and lost or stolen devices.

Purpose

This document is a guide to help you install and configure your Cigent Secure SSD and associated D3E software so you can start using it as quickly as possible. It also provides a basic operation overview and explanation for some of the security sensors if you are interested in learning more.

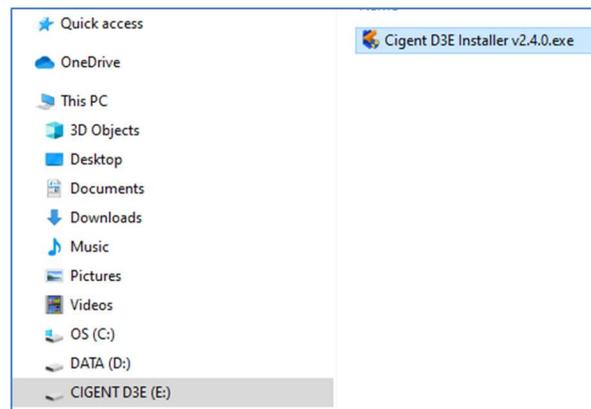
Setup and D3E Installation

This guide is applicable to either external K2 SSDs or internal K2 SSDs installed as secondary drives. Installing your K2 SSD as a primary (OS) drive will require cloning your existing installation to the K2 SSD or installing a fresh OS. These configurations are outside the scope of this guide, but setup and configuration are the same once installed.

A copy of the Cigent D3E installer is placed onto each Cigent Secure SSD before shipping.

The latest version of Cigent D3E can always be found at <https://www.cigent.com/cigent-d3e>.

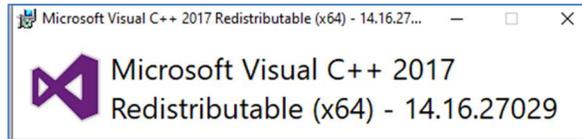
1. Plug in your External K2 SSD or install the Internal K2 into your system as a secondary drive.
2. Open Windows Explorer and select the CIGENT D3E partition.



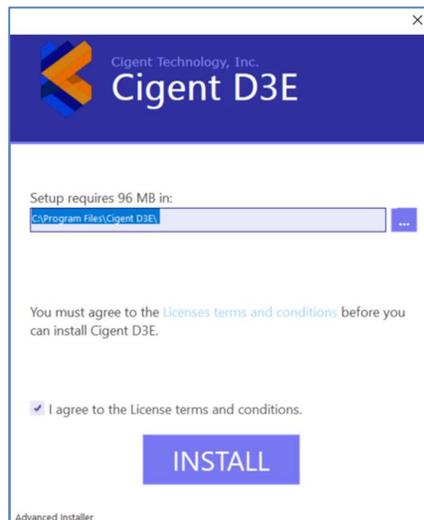
3. Double click the Cigent D3E installer executable to begin the installation process. Note: The name of the installer may be slightly different.



Note : If Microsoft's Visual C++ Redistributable (x64) package is not already installed, you may be prompted to install it during the D3E installation process. Please follow the simple instructions to complete the install of the package before proceeding.



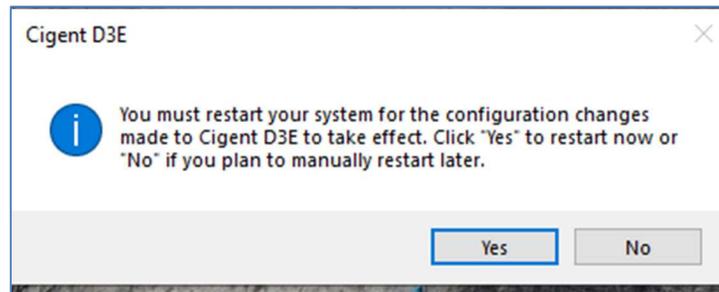
4. Select an installation location, accept the License terms then click **Install**.



5. Wait for the installation to complete. Click **Finish** to close the installer.

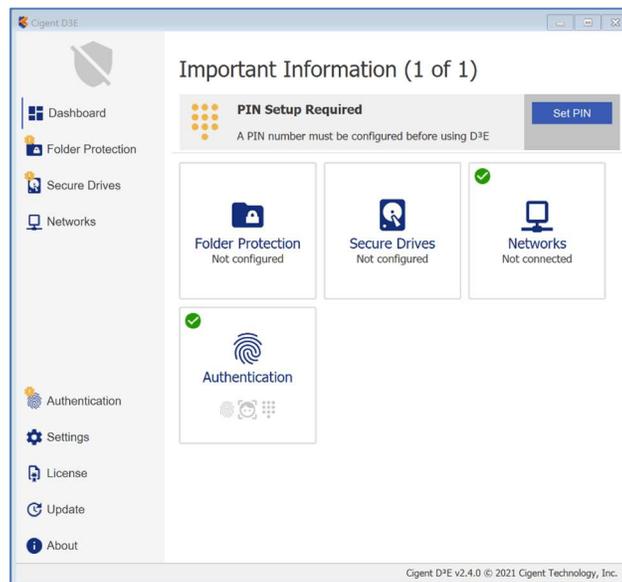


6. Click **Yes** to reboot for D3E's changes to take effect.

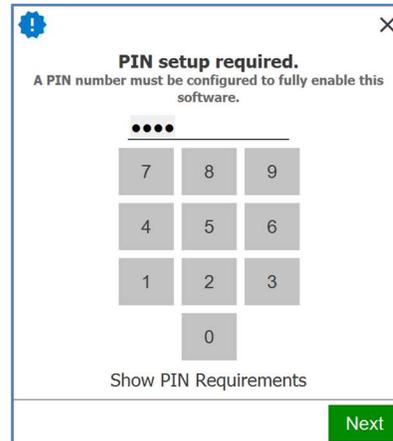


After rebooting, the D3E dashboard will automatically open and request a PIN to be set.

7. Click **Set PIN**.

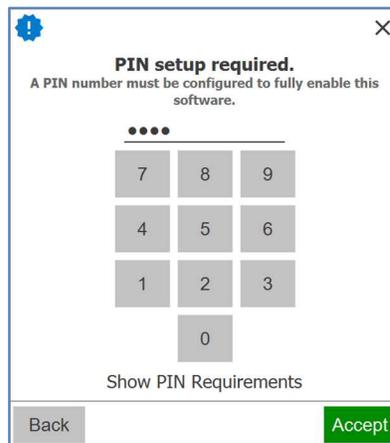


8. Enter your PIN, click **Next**.



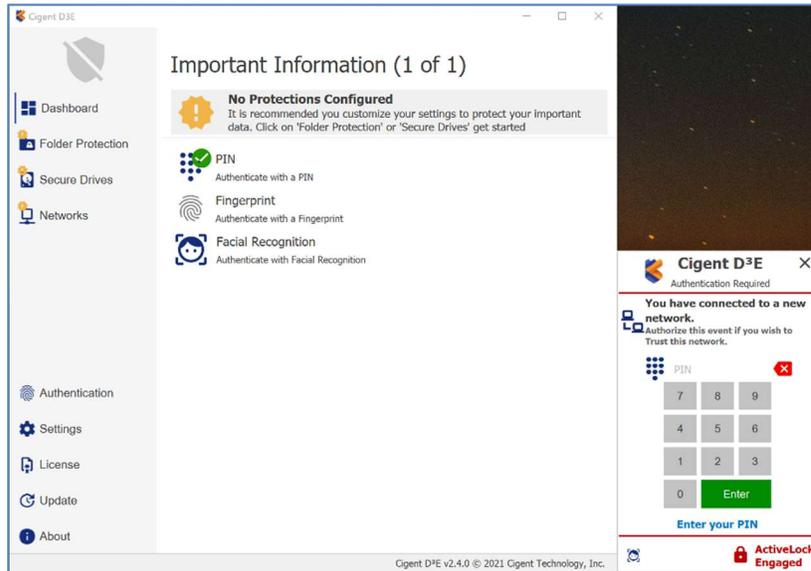
The screenshot shows a dialog box titled "PIN setup required." with a blue gear icon in the top left and a close button (X) in the top right. Below the title, it says "A PIN number must be configured to fully enable this software." There are four black dots above a horizontal line, indicating a 4-digit PIN. Below the line is a numeric keypad with buttons for 7, 8, 9, 4, 5, 6, 1, 2, 3, and 0. At the bottom left of the keypad area is a link that says "Show PIN Requirements". At the bottom right of the dialog box is a green button labeled "Next".

9. Re-enter your PIN and click **Accept**.



The screenshot shows the same "PIN setup required." dialog box as in step 8. It features the same title, subtitle, four dots, and numeric keypad. The "Show PIN Requirements" link is present at the bottom left. At the bottom right, there is a grey button labeled "Back" and a green button labeled "Accept".

10. If you are currently connected to a network and your network is NOT set to Private in Windows, Cigent D3E will engage Active Lock. If the network is secure, simply enter your PIN and click **Enter** to add the current network as Trusted. If you are not connected to a network at the time of installation, please just proceed to the next step. Note : D3E will automatically trust your first network if it is configured as Private in Windows.



11. If you have an external Cigent Secure SSD inserted or your internal SSD installed, the Quick Secure Drive Setup popup should appear.



12. Enter a secure password twice and click **Configure Drive** to automatically configure the SSD to Cigent default configuration. If you wish to customize the settings, you can click Cancel and configure the drive from the Secure Drives page of the Cigent D3E Dashboard.



Cigent D3E
Quick Secure Drive Setup

New Cigent Secure SSD Detected!

Enter a secure password which can be used to open the drive on another system or restore access on this system should D3E be reset.

D3E will prepare the drive using recommended ⓘ settings. If you wish to customize the setup, use the Secure Drives page in D3E.

Password: ●●●●●●●●

Confirm Password: ●●●●●●●●

Required: [0-9] [!@#\$\$%^&*] [a-z] [A-Z] [8-32 chars]

Do not show again for this drive

13. Enter your authentication PIN and click **Enter** to approve the SSD setup.



Cigent D3E X
Authentication Required

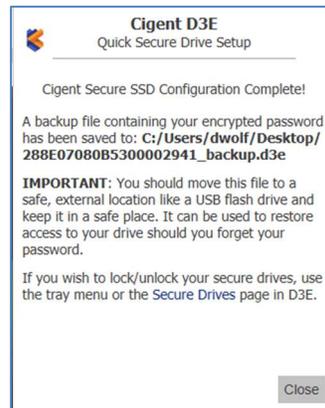
Authentication is required to Configure the D3E Secure Drives

PIN [X]

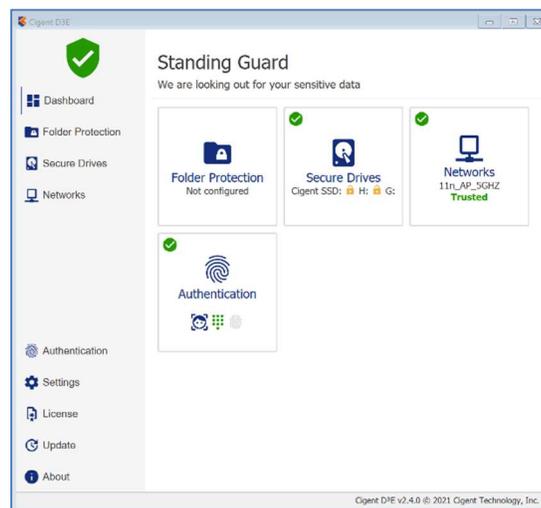
7	8	9
4	5	6
1	2	3
0	Enter	

Enter your PIN

14. Note the location of the encrypted password file. This file should be moved to a secure location off of the host for security purposes. Click **Close** when you are ready.



15. Once complete, the D3E dashboard will show the drive letters of the newly created Secure Drives. They are automatically unlocked after setup to allow you to start copying files to them immediately.



CONGRATULATIONS!



You have completed the steps necessary to begin using your Cigent Secure SSD and D3E software.

If you want to learn more about how to use your Cigent Secure SSD and D3E proceed further in this guide.