

[WaveNode Wattmeter Operation on Windows 11 after Sept. 20, 2022](#)

Rev.1

BRIEF:

With OS 11 security update 22H2 (September 20, 2022) , Microsoft has again changed the default settings of their operating system. Although OS 10 and OS 11 originally left Core Isolation turned OFF as a default installation, they have turned it ON for this OS 11 update. Even though the WaveNode USB driver was digitally signed and verified by Microsoft, it cannot be installed on OS 11 with this security update unless you turn OFF the Memory Integrity setting.

DETAILS:

Microsoft made the Memory Integrity setting easy to turn OFF. Go to the Search box in the Windows 11 menu bar, and type in “Core Isolation”. Click on the Isolation menu as shown below:

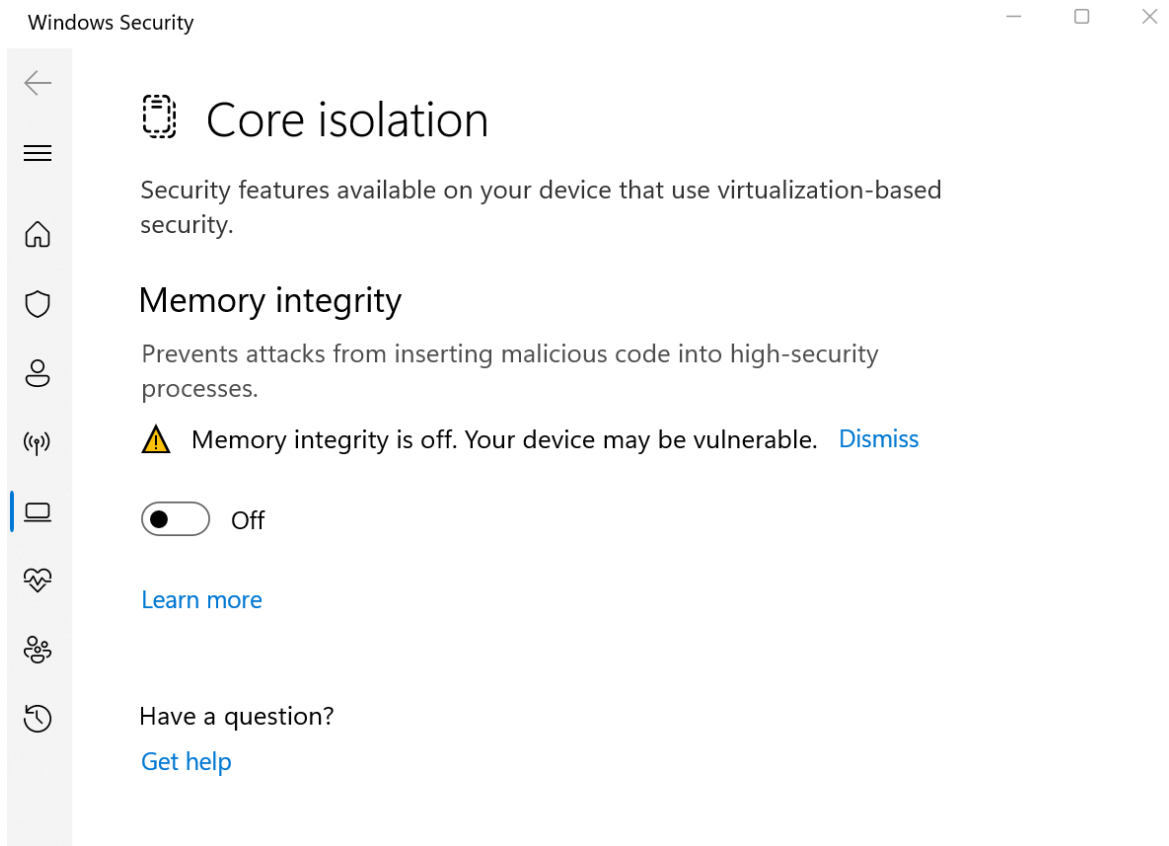


Figure #1 Screen View of OS 11 Core Isolation Menu

Go to the “Memory Integrity” slide button and set it to “OFF”. You may need to reboot the PC, depending on the version of your PC. After reboot, you can then install your WaveNode USB driver version 2.12.18 as described in our Installation document “WaveNode WN-2(d)(m) Digital Wattmeter Installation”.

<https://drive.google.com/file/d/1R4fDfOggNbLDi16imhbbrx61wKRcU7cE/view>

You will need to leave “Memory Integrity” in the OFF setting to allow the WaveNode USB driver to be available to your WaveNode meter, just as previously in Windows 10 and before the September 2022 default setting change.

Microsoft recommends turning off the “Memory Integrity” when installing older USB drivers, even if they were digitally signed/Verified by Microsoft. Many USB connected devices will not operate with “Memory Integrity” turned ON, including some of Microsoft’s own products.