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# **1** Abbreviations and acronyms

- AMD Advanced Micro Devices
- KMS Kernel Mode Software
- PCIe Peripheral Component Interconnect express
- SDK Software Development Kit

## **2** Introduction

This document describes how to install the graphic card used with OpenNet under Windows 10.

## 3 Install the hardware

Install the graphics card used for processing in the PCIe expansion slot that is closest to the processor. This is usually one of the expansion slots that offer the best performance.

**Important**: Ideally, the graphics card used for processing should not be used for display, as this adds processing delays which in some cases may prevent processing of all received packets.

### 4 Install the graphic card drivers

**Important**: During installation, a screen must be connected to the graphics card used for processing.

1. Download the driver installer from AMD's website (www.amd.com) and start running it.

User Account Control Do you want to allow this app to make changes to your device?					
Radeon <sup>™</sup> Pro Software Enterprise Edition Verified publisher: Advanced Micro Devices, Inc File origin: Hard drive on this computer					
Yes	No				

2. Click "Yes"



3. Click "Install"



4. Click "Accept and Express Install"

AMDZ	S O F T W A R E	_ ×
	Radeon Pro Software 1	9.Q1.2 has been installed
	Restart Now	Close

5. Click "Restart Now"

### 4.1 Configure the graphics card

**Important**: During the configuration, a screen must be connected to the graphics card used for processing.

1. From the Start menu, launch "AMD Radeon Pro Settings"



2. Click "Advanced"

AMDZI RADEON PRO SETTINGS (? _ 🗆 X								
DGMA		Р	latform Compatibility		Additional Settings			
Enable/Disable DirectGMA su	upport and configure the size of the	GPU aperture				🗂 Reset		
Radeon (TM) Pro WX 5100 G Off	raphics							
						_		
<b>A</b> III	► Video	ReLive	®⊜ Connect	Display	©∲ System	••• Advanced		

3. Click the name of the card that will be used for processing.

AMD	AMDZI RADEON PRO SETTINGS 📀 _ 🗆 X							
DGMA			Platform	n Compatibility	Additional Set	Additional Settings		
Enable	/Disable DirectGMA support	and configure the size of the (	GPU aperture		🗸 Apply	🗓 Discard 🖵 Reset		
Radeo On	n (TM) Pro WX 5100 Graphics	s Aperture Siz	e 🗸					
<b>A</b>		► Video	C ReLive	Connect	Display 💞 System	* • • Advanced		

- 4. Change the "Aperture Size" to 128 MB.
- 5. Click "Apply".

AMD	RADEON PR	O SETTINGS					_ 🗆 ×
-							
-							
		To view	the latest DirectGMA settings,	you must restart your compu	uter. Do you want to restart y	our	
		compute	r now?		V Yes X	 No	
					v la k		
A		► Video	C ReLive	©⊛ Connect	Display	🖅 System	· · · Advanced

- 6. Click "Yes".
- 7. If appropriate, change the Windows display configuration not to display using the graphics card used for processing.

#### 1.

## 4.2 Install the AMD APP SDK

#### IMPORTANT

#### AMD no longer support the AMD APP SDK.

KMS is working to modify OpenNet to continue to support OpenCL on Windows without using AMD APP SDK.

- 1. Download the AMD APP SDK 3.0 from <u>http://www.kms-quebec.com/d/AMD-APP-SDKInstaller-v3.0.130.135-GA-windows-F-x64</u>
- 2. Execute the installer