

# OpenNet

by **kms**

## Guide

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## 1 Abbreviations and acronyms

GPU   **G**raphic **P**rocessor **U**nit

KMS   **K**ernel **M**ode **S**oftware

## 2 Introduction

This document describes how to install the hardware and software and how to compile an application with OpenNet.

## 3 Install OpenNet

This section describes how to install OpenNet on Ubuntu 18.04 or Windows 10.

How to install the graphic card is described in the “Install the GPU” document. This document can be downloaded from the <https://www.kms-quebec.com/en/opennet.html> page.

### 3.1 Install OpenNet

#### 3.1.1 Ubuntu 18.04

1. Download the OpenNet package from the KMS web site ([www.kms-quebec.com](http://www.kms-quebec.com))
2. Install the kms-opennet package by executing the following command

```
sudo dpkg -i kms-opennet-1.0-10.deb
```

3. Add the `/usr/local/OpenNet_0.0/bin` to the library path (`LD_LIBRARY_PATH`)

#### 3.1.2 Windows 10

1. Download the OpenNet Installer from the KMS web site ([www.kms-quebec.com](http://www.kms-quebec.com)) and launch it.

## 3.2 Installing the license file

If a license file is not installed, GPU-dpi runs in “evaluation”. In this case, the capture stops working 5 minutes after it starts, and no more packets are captured.

Once a license file is installed, this limitation is removed. A GPU-dpi license is associated with the Ethernet address of the network card. It cannot be transferred from one computer to another unless the user transfers the network card at the same time.

To facilitate license management, it is possible to place all the licenses held by a company in one file and use this file on all computers where OpenNet is used.

#### 3.2.1 Ubuntu 18.04

Soon!

#### 3.2.2 Windows 10

Just copy the license file received from KMS directly into the installation directory.

## 4 Compile an application using OpenNet

### 4.1 Ubuntu 18.04

The list of folders searched for header files must include `/usr/local/OpenNet_0.0/inc`

The list of folders searched for library files must include `/usr/local/OpenNet_0.0/bin`

When linking, add the arguments “`-pthread`” and “`-l OpenNet`”.

### 4.2 Windows 10

See the samples available in the GIT repository at [https://github.com/martindubois/OpenNet\\_Public](https://github.com/martindubois/OpenNet_Public)