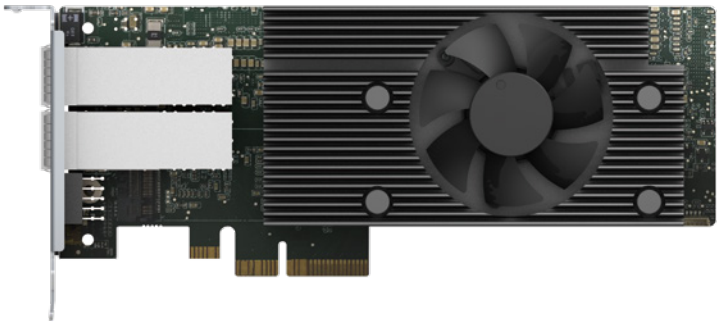
Mustang-V100-MX4-10G2SF

Preliminary



Feature

- PCIe Gen 3 x 4 form factor
- 4 x Intel® Movidius™ Myriad™ X VPU MA2485
- TWO 10G SFP LAN port
- Power efficiency, only 30W.
- Operating Temperature 0° C to 50°C
- Powered by Intel's OpenVINO™ toolkit
- Multiple cards supported.

Introduction

The Mustang-V100-MX4-10G2SF is a PCIe Gen 3 x 4 card included 4 Intel® Movidius™ Myriad™ X VPU and two SFP 10G LAN port, which providing an flexible AI inference solution for compact size and embedded systems.

VPU is short for vision processing unit. It can run AI faster, and is well suited for low power consumption applications such as surveillance, retail, transportation. With the advantage of power efficiency and high performance to dedicate DNN topologies, it is perfect to be implemented in AI edge computing device to reduce total power usage, providing longer duty time for the rechargeable edge computing equipment.

Specifications

Model Name	Mustang-V100-MX4-10G2SF
Main Chip	4x Intel® Movidius™ Myriad™ X MA2485 VPU
LAN Chip	Mellanox
Operating Systems	Ubuntu 16.04.3 LTS 64bit, CentOS 7.4 64bit, Windows® 10 64bit
Dataplane Interface	PCIe Gen 3 x 4
Power Consumption	30W
Operating Temperature	0°C~50°C (ambient temperature)
Cooling	Active FAN
Dimensions	167x56x23mm
Operating Humidity	5% ~ 90%
Dip Switch/LED indicator	Identify card number
Support Topology	AlexNet, GoogleNet V1/V2/V4, Yolo Tiny V1/V2, Yolo V2/V3, SSD300,SSD512, ResNet-18/50/101/152, DenseNet121/161/169/201, SqueezeNet 1.0/1.1, VGG16/19, MobileNet-SSD, Inception-ResNet-v2,Inception-V1/V2/V3/V4,SSD-MobileNet-V2-coco, MobileNet-V1-0.25-128, MobileNet-V1-0.50-160, MobileNet-V1-1.0-224, MobileNet-V1/V2, Faster-RCNN

Ordering Information

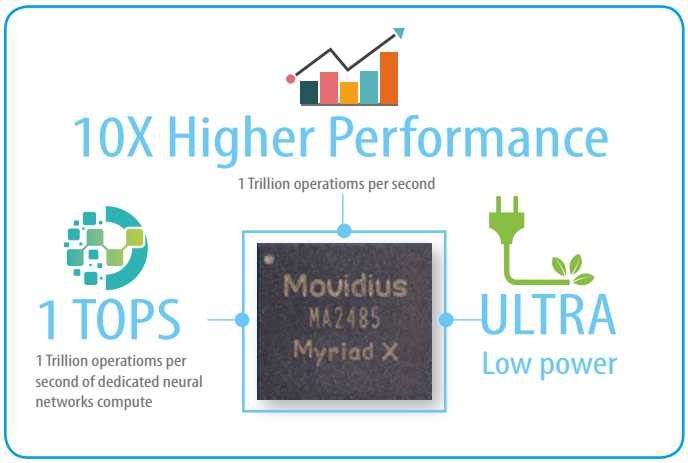
Part No.	Description
Mustang-V100-MX4-10G2SF-R10	Computing accelerator card with 4 x Intel® Movidius™ Myriad™ X MA2485 VPU and 2 x Mellanox 10G SFP port, PCIe Gen3 x 4 interface , RoHS

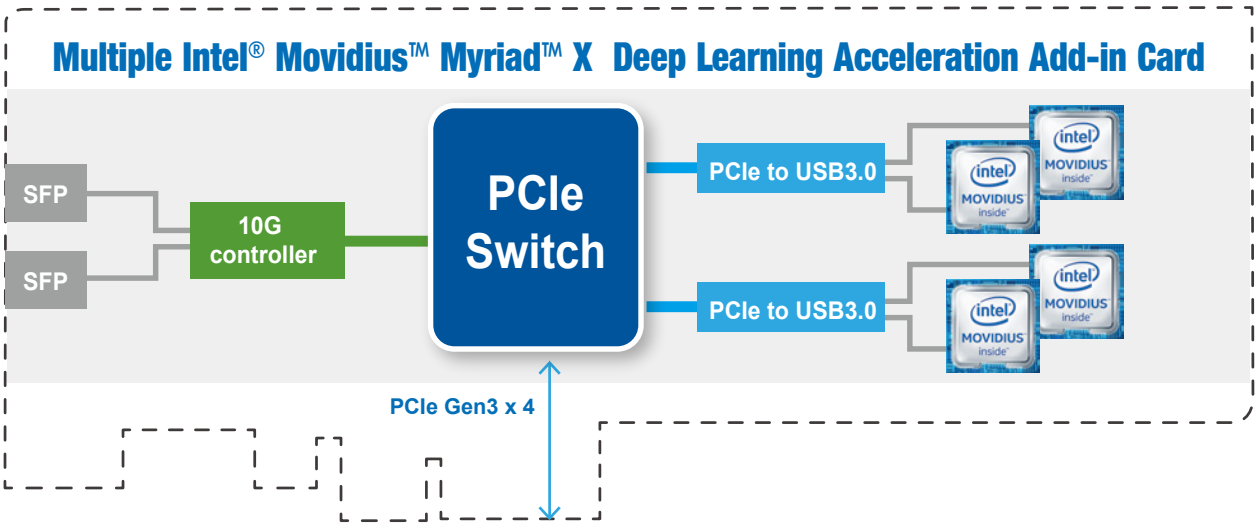
Packing List

1 x Full height bracket
1 x QIG

Key Features of Intel® Movidius™ Myriad™ X VPU:

- Native FP16 support
- Rapidly port and deploy neural networks in Caffe and Tensorflow formats
- End-to-End acceleration for many common deep neural networks
- Industry-leading Inferences/S/Watt performance





Mustang-V100-MX4-10G2SF
Dimensions (Unit: mm)