

Mustang-M2AE-MX1

Preliminary



Feature

- M.2 AE key form factor (22 x 30 mm)
- 1 x Intel® Movidius™ Myriad™ X VPU MA2485
- Power efficiency, approximate 5W
- Operating Temperature 0°C~55°C (In TANK AIoT Dev. Kit)
- Powered by Intel's OpenVINO™ toolkit

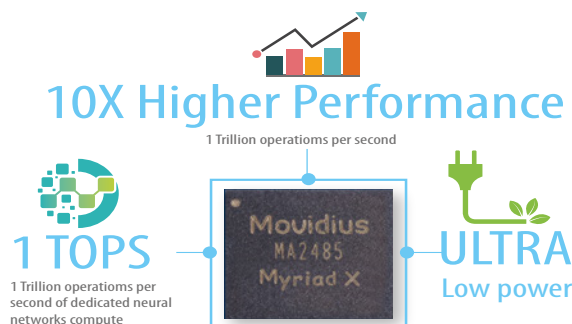
Introduction

The Mustang-M2AE-MX1M.2 AE-key card included one Intel® Movidius™ Myriad™ X VPU, 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.

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

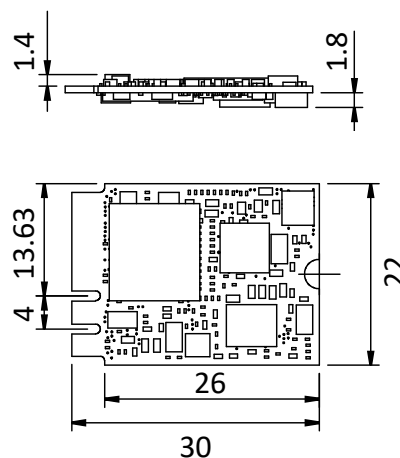
- Native FP16 support
- Rapidly port and deploy neural networks in Caffe and Tensorflow formats
- End-to-End acceleration for many common deep neural networks
- Industry-leading Inferences/S/Watt performance



Specifications

Model Name	Mustang-M2AE-MX1
Main Chip	1x Intel® Movidius™ Myriad™ X MA2485 VPU
Operating Systems	Ubuntu 16.04.3 LTS 64bit, CentOS 7.4 64bit, Windows® 10 64bit
Dataplane Interface	M.2 AE Key
Power Consumption	Approximate 5W
Operating Temperature	0°C~55°C (In TANK AIoT Dev. Kit)
Cooling	Passive Heatsink
Dimensions	22 x 30 mm
Operating Humidity	5% ~ 90%
Support Topology	AlexNet, GoogleNetV1/V2, Mobile_SSD, MobileNetV1/V2, MTCNN, Squeezenet1.0/1.1, Tiny Yolo V1 & V2, Yolo V2, ResNet-18/50/101

Dimensions (Unit: mm)



Ordering Information

Part No.	Description
Mustang-M2AE-MX1	Computing Accelerator Card with 1 x Intel® Movidius™ Myriad™ X MA2485 VPU, M.2 AE key interface, 2230, RoHS

Packing List

1 x QIG