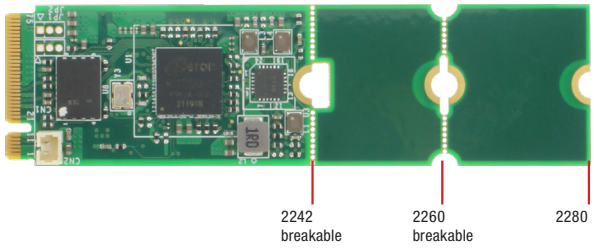
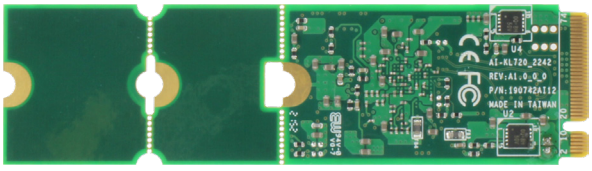
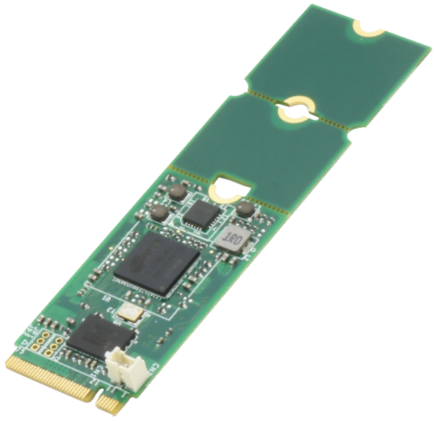
M2AI-2242-720

AI Edge Computing Module with Kneron KL720 NPU







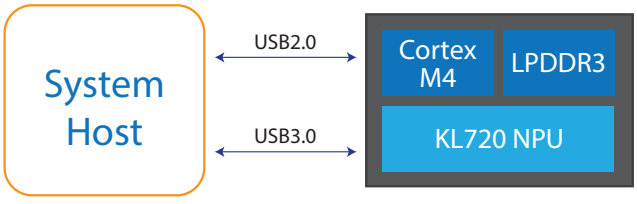
Features

- Kneron KL720 NPU
- Compliant to M.2 2242 B-key (USB2.0 or USB3.0 interface)
- Breakable PCB to support 3 sizes: 2242, 2260 and 2280
- Support 620 x 620, higher resolution recognition

Specifications

System	
IC	Kneron KL720
Type	ARM CM & DSP
Support Framework	Pytorch, ONNX, TensorFlow 1.6, Tensorflow lite, Keras, Caffe
Support Model	Resnet, GoogleNet, YOLO, Tiny YOLO, MobileNet-SSD, DenseNet, RNN, LSTM
Memory Type	128MB LPDDR3
NPU Performance	1.4 TOP/s
Overall Power Consumption	2.3W
Others	
Operating Temperature	32°F~122°F(0°C ~ 50°C with cooler 5m/s)
Storage Temperature	32°F~158°F(0°C ~ 70°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
Certification	CE/FCC Class A

AI Architecture



Packing List

- M3 screw x 2
- M2AI-2242-720 x 1

Optional Accessories

- PER-T720-M2AI-FAN01

Ordering Information

Part Number	Description
PER-T720-M2AI-A10-0421	AI.NPU 720.M.2 B Key 2242(USB interface).A1.0