

## 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                                                         |

## Packing List

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

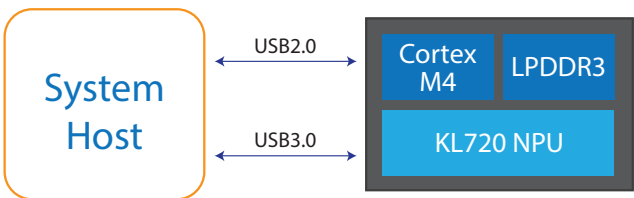
## Optional Accessories

- 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 |

## AI Architecture



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Kneron:

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