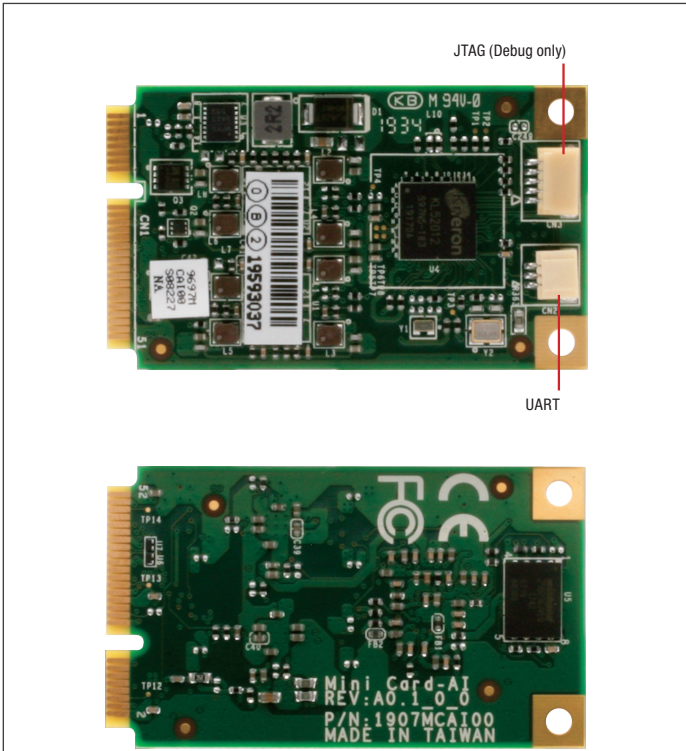
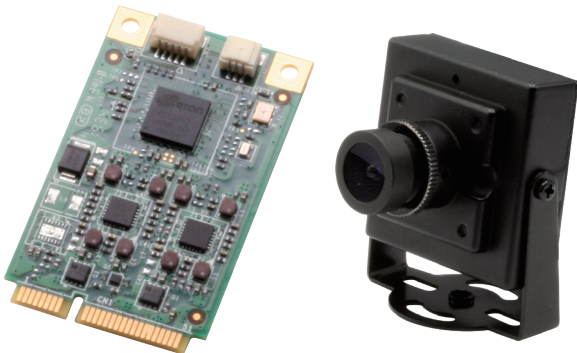


# Mini-AI-520

AI Edge Computing Module with Kneron KL520 NPU

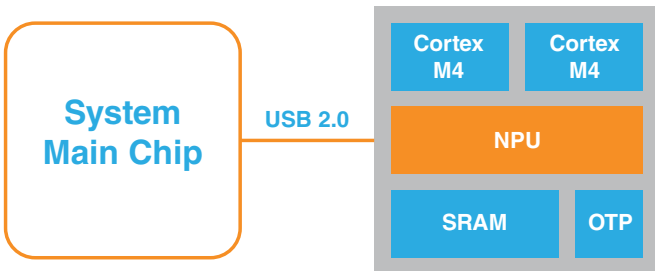


AI Vision + Edge Computing Development Kit



Part Number: PER-T520-MIAI-A11-K001

## AI Architecture



## Features

- Kneron KL520 NPU (Designed by ARM architecture)
- Mini card(USB2.0 interface,Full size)
- Accelerator for AI Edge Computing
- Good for people monitoring, retail application



## Specifications

System	
IC	Kneron KL520
Type	Integrated SoC
Support Framework	ONNX, TensorFlow, Keras, Caffe
Support Model	Vgg16, Resnet, GoogleNet, YOLO, Tiny YOLO, Lenet, MobileNet, DenseNet
Memory Type	LPDDR2
NPU Performance	0.35 TOPS
Overall Power Consumption	0.5 W
Others	
Operating Temperature	32°F ~ 158°F (0°C ~ 70°C)
Storage Temperature	-40°F ~ 185°F (-40°C ~ 85°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
Certification	CE/FCC Class A

## Packing List

- M3 screw x 2
- Mini-AI-520 x 1

## Optional Accessories

- EverFocus Full HD Camera EUA1200

## Ordering Information

Part Number	Description
PER-T520-MIAI-A11-0001	AI.NPU 520.full size mini Card(USB interface).A1.1
PER-T520-MIAI-A11-K001	AI.NPU KL520.Full size Mini Card.w/ HD Camera.A1.1