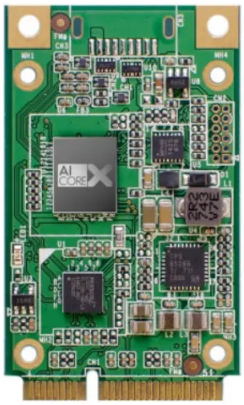
Item no.: PER-TAICX-A10-001

PER-TAICX-A10-001 - UP AI Core X mPCIe, 30 mm Heatsink

from **120,92 EUR**

Item no.: PER-TAICX-A10-001
shipping weight: 0.10 kg
Manufacturer: UP Bridge the Gap



Product Description

AAEON - UP AI Core X mPCIe, 30 mm HeatsinkUP AI CORE X is a complete product line of neural network accelerators for edge devices. Whether the automation you are creating is for identifying and tallying items in a shopping cart, alerting airport security to unattended luggage, or monitoring traffic congestion ahead of an autonomous vehicle, the AI CORE X lets you embed the real-time computational power you need directly where you need it.Step Out of the Rain

Cloud computing is great for many things, but not for real-time edge applications with tight latency, bandwidth, security, and reliability constraints. Sometimes, the only solution is to co-locate the processing of data with the collection of data. This means no cloud computing. Thankfully, the skies are clearing. With up to four trillion operations per second (TOPS) and a Neural Compute Engine capable of delivering up to one TOPS, all with just a few watts of power, AI CORE X is perfect for doing the heavy lifting in any edge application.Neural Compute Engine

The AI CORE X is powered by the recently released Intel(R) Movidius(TM) Myriad(TM) X, a third-generation vision processing unit (VPU) that is the first in its class to include a Neural Compute Engine – a dedicated hardware accelerator for deep neural networks, trainable with industry-standard tools.Easily Embeddable

AI CORE X is available with one or two Myriad X chips in a variety of form factors. With your choice of MiniCard/mPCIe, M.2 2230, M.2 2242 or M.2 2280. Embedding deep learning capabilities has never been easier.

It is compatible with UP Squared boards and any SBC with a miniPCIe interface.

- Model: UP AI Core X
- VPU: Intel(R) Movidius(TM) Myriad(TM) X 2485
- Amount of VPU: 1
- Form Factor: mPCIe
- Dimensions: 30 x 51 mm
- Supported Frameworks: Caffe, TensorFlow
- Memory: 4 GB LPDDR4
- Thermal: Fanless heatsink
- System Requirements: x86_64 computer running Ubuntu 16.04, 1 GB memory, 4 GB free storage, vacant expansion slot
- Software tool: NCS SDK, OpenVINO toolkit

Specifications

Scan this QR code to view the product
All details, up-to-date prices and availability