INTEL EDGE INSIGHTS SOFTWARE

RAPID DEPLOYMENT OF ANALYTICS PIPELINES HARDWARE

Industrial Solutions Division, Intel

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JWIPC RRK: EDGE INSIGHTS RFP READY KIT

AI-Ready AIO Gateways/Industrial PCs

- Intel's Industrial Edge Insights Software
- Intel® OpenVINO™ toolkit
- AliOS Things* and Link Edge* Ready
- Intel® Atom™, Intel® Core™, Intel® Xeon™ Processors
- Fan or Fanless, Rugged Configurations
- 2-4x PCIe* (Altera® or Intel® Movidius™ technology)
- 2-4x COM 6x USB3.0
- 2.5"HDD Hot Plug
- 2-4x Ethernet (PoE)
- Ubuntu*, CentOS*, Windows*, or Yocto* Ready[1]

1- OpenVINO™ Toolkit OS Support: CentOS* 7.4 (64 bit), Ubuntu* 16.04.3 LTS (64 bit), Microsoft Windows* 10 (64 bit), Yocto Project* version Poky Jethro v2.0.3 (64 bit)
* Other names and brands may be claimed as the property of others.

IEI TANK-870-Q170

PCIE SLOTS THAT WILL SUPPORT HDDL-F (FPGA) AND HDDL-RC (MYRIAD X)

- Core i5
- Fanless
- 8GB of RAM
- 1TB HDD
- 2x PCIe x8
- Dual LAN with TSN support
- WIFI
- I/O Ports: 4x USB 3.0, 4 x USB 2.0, 4x RS-232, 2x RS-232/485, 8-bit DIO, 1x Line-out, 1x Mic-in
- Operating Temp: -20°C~60°C

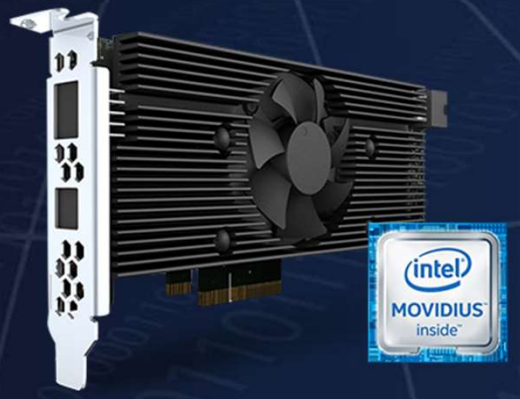
The IOT Client Foundational Kit will provide **manageability**, **performance**, and a **scalable rapid path to market** solution that will support advanced **computer vision** and **deep learning** usages.

http://eshop.usa.ieiworld.com/usa/items.php?CA=2&sub_CA=24
https://software.intel.com/en-us/blogs/2018/06/13/introducing-the-tank-aiot-developer-kit

VISION ACCELERATION KIT + HDDL-R

POWERED BY IEI*

- Specialized Processors designed for high-performance machine vision at low power
- 8 VPUs x 16 SHAVE cores (Streaming Hybrid Architecture Vector Engine)
- Supports multiple network topologies (GoogLeNet, ResNet, etc.)
- Two Memory Banks (DDR4, 8GB in total)
- Preinstalled Intel® Distribution of OpenVINO™ toolkit
- Get started quickly with samples



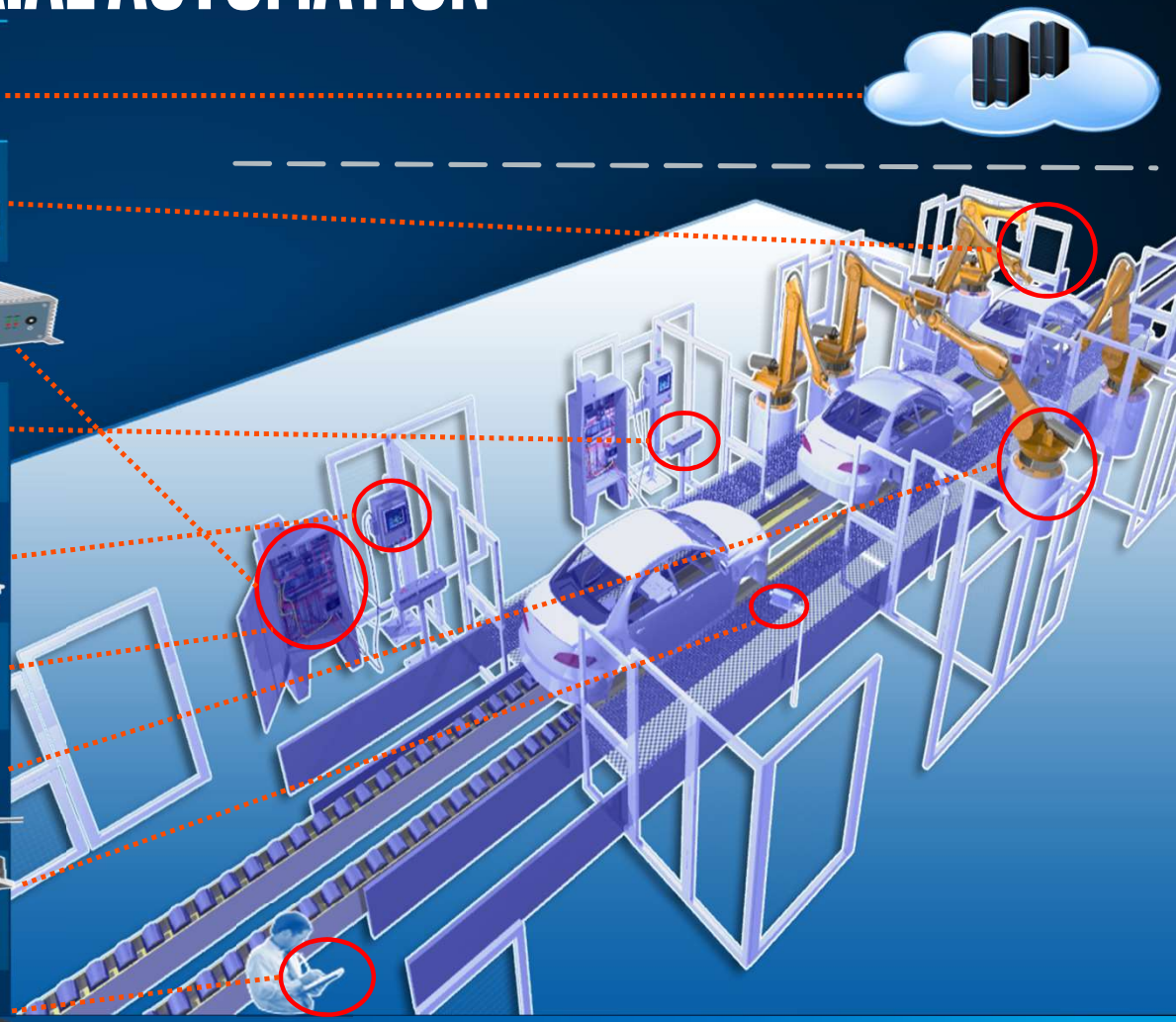
TANK-870-Q170

IEI* TANK AIOT DEVELOPER KIT

- High-performance computer vision Applications
- Industrialized Design
- Intel® Core™ or Intel® Xeon™ Spec.
- Extendible with PCIe* AI Accelerators
- Preloaded with the Intel® Distribution of OpenVINO™ toolkit

INTEL INGREDIENTS IN INDUSTRIAL AUTOMATION

Data Center	**Compute Performance** **I/O intensive**
Factory server	Compute Performance I/O intensive
Industrial PC	Compute Performance Visualization/ UX RT Perf
PLC/PAC	I/O intensive Form Factor Sensitive RT Perf
HMI	Compute Performance Visualization/ UX Form Factor Sensitive
Remote IO	I/O intensive RT Perf
Robots	Compute Performance I/O intensive RT Perf
Machine visions	Compute Performance Form Factor Sensitive
Mobile workforce	Visualization/ UX Form Factor Sensitive



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VERIFIED SWAPPABLE IPC READY TO RUN

ADLINK TECHNOLOGY, INC
PRODUCTS: RK-630/IMB-M43-C236 RK-630/IMB-M43H
LEARN MORE:
https://www.adlinktech.com/

ARBOR
PRODUCTS: FPC-7903
LEARN MORE:
https://www.arbor-technology.com/

AXIOMTEK CO., LTD
PRODUCTS: IPC962-511-FL IPC962-512-FL
LEARN MORE: http://www.axiomtek.com/

DFI INC.
PRODUCTS: KU173 SD631
LEARN MORE: http://www.dfi.com/

Photo source: Intel® IoT Solutions Alliance Solution Directory

IBASE TECHNOLOGY INC.
PRODUCTS: CMI203-991 AMI222
LEARN MORE: https://www.ibase.com.tw/

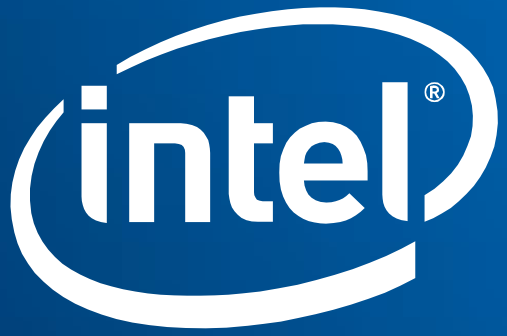
IEI INTEGRATION CORP. PRODUCTS: TANK-870AI TANK-870e-H110 LEARN MORE: https://www.ieiworld.com/

LEX COMPUTECH CO., LTD.
PRODUCTS: CI170A
LEARN MORE: http://www.lex.com.tw/

NEXCOM INTERNATIONAL CO., LTD
PRODUCTS: NIFE300P2E LEARN MORE:
http://www.nexcom.com/

QUANMAX INC.
PRODUCTS: RAK-400 LEARN MORE:
http://www.quanmax.com/

MIGRATE TO A NEW INDUSTRIAL PC TODAY
Avoid Obsolescence, Improve Security
and Be Prepared for the Future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