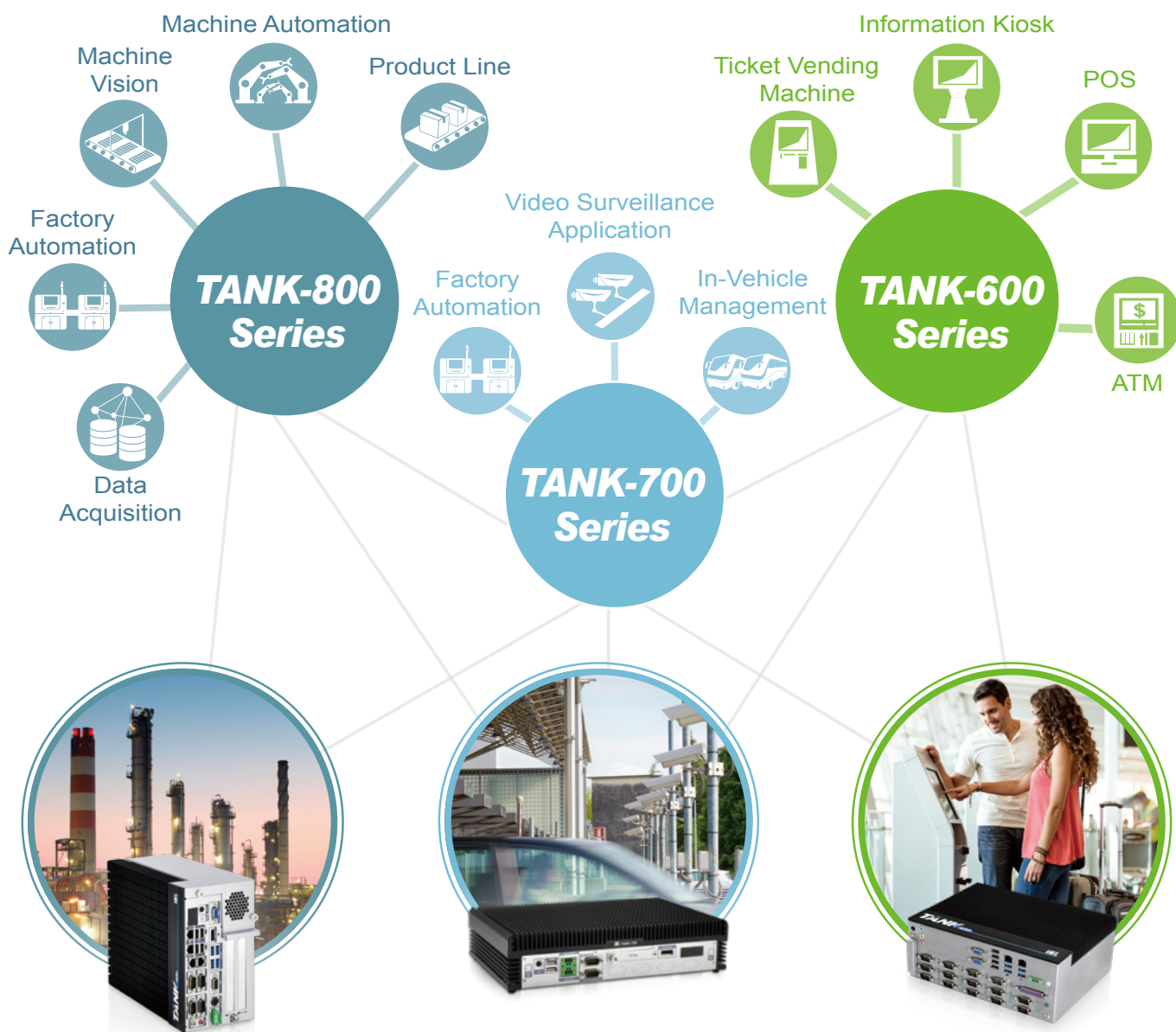# Industrial Automation Solution

IEI offers complete rugged fanless products with a wide range of I/O interfaces and multiple expansion, allowing users to connect to different devices for comprehensive automation solution. IEI's industrial automation solution provides a reliable platform to fulfill a wide variety of application demand, such as machine automation, surveillance application, and information kiosk. To fight the upcoming trend of IoT, IEI develops an IPMI 2.0 compliant technology - iRIS (IEI Remote Intelligent System). iRIS is a hardware-level remote management solution that can make your systems more efficient in system integration. "TANK" is a model name for a series of IEI ruggedize embedded box products.

Ruggedized Solution

Machine Automation

Machine Vision

Product Line

Factory Automation

TANK-800 Series

Data Acquisition

Video Surveillance Application

Factory Automation

In-Vehicle Management

TANK-700 Series

Information Kiosk

Ticket Vending Machine

POS

TANK-600 Series

ATM

■ TANK-800 Series

Multiple PCI/PCIe Expansion

- Great flexibility of expansion slots
- IPMI function for remote control management
- Design fulfills high storage demand
- Wide range temperature

■ TANK-700 Series

Multiple PCIe Mini Expansion

- Support triple display
- Flexible expansion design
- 8-channel audio/video capture capability
- Military compliant

■ TANK-600 Series

Multiple Serial Port

- Support up to 14 COM ports
- mSATA and 2.5" SATA storage device
- Wide range temperature
- Low power consumption

TANK Series Selection Guide

The TANK series contains great coverage of the Intel® desktop, mobile and Atom™ solutions. From high performance to low power consumption, IEI provides a vast series of specifications to fulfill the diverse demands of our customers.

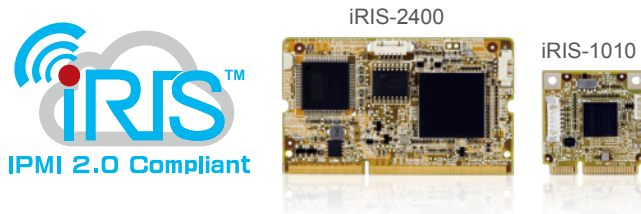| Platform		Multiple PCI/PCIe Expansion	Multiple PCIe Mini	Multiple COM Port
Desktop	Skylake/Kabylake	TANK-870-Q170 TANK-870e-H110	TANK-871	-
Mobile	Skylake-U	-	-	TANK-620-ULT3
	Haswell	TANK-860-HM86	TANK-760-HM86	-
	Braswell	-	-	TANK-610-BW
Atom™	Bay Trial	TANK-801-BT	-	-

A Variety of Applications

IEI TANK ruggedized embedded box series is ideal for applications that require remote control or multiple video outputs.Furthermore, with the IEI iRIS technology, the users can achieve Internet of Things (IoT) among different devices, such as panel PCs and single board computers.

Key Features

■ Fanless design

The advantage of IEI fanless product series is to reduce the failure caused by fan and maintenance efforts. IEI also design functional heatsink to make sure the products can work in harsh environments.

■ Wide range temperature

IEI fanless product series has leading-edge thermal design , and has been tested under extreme temperature environments in order to ensure that IEI fanless products can be operated in any harsh environment.

■ Wide range power input

The 9 V ~ 36 V DC wide power input allows the TANK series to be used in different applications. IEI provides you safe and reliable operations under industrial conditions with a wide range of acceptable inputs.

■ EMC & safety c ertifications

IEI TANK series has been CE and FCC certified, which proves that we give top priority to quality control and inspection of all our products.
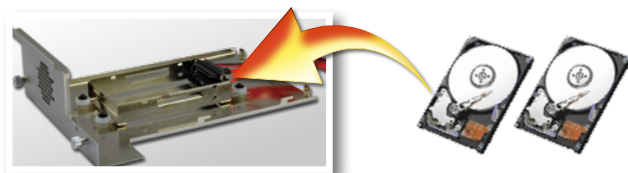
(TANK-760 only)

■ Remote management

By installing the IEI iRIS module, IEI products are capable to complete your IoT application through the advanced remote control features, such as power management and control, remote KVM for device status monitoring, sending active alerts and warning messages by e-mail or SMS.

iRIS-2400

iRIS-1010

■ Easy maintenance and expansion

The internal components of the TANK-800, such as 2.5" SATA HDD/ SSD, can be quickly installed and maintained by removing the HDD bracket.

The TANK-700 Series is equipped with multiple PCIe Mini card slots for expansions, such as Wi-Fi, 3G and GPS cards. These expansion slots can be accessed easily for adding extra functions to the system.