

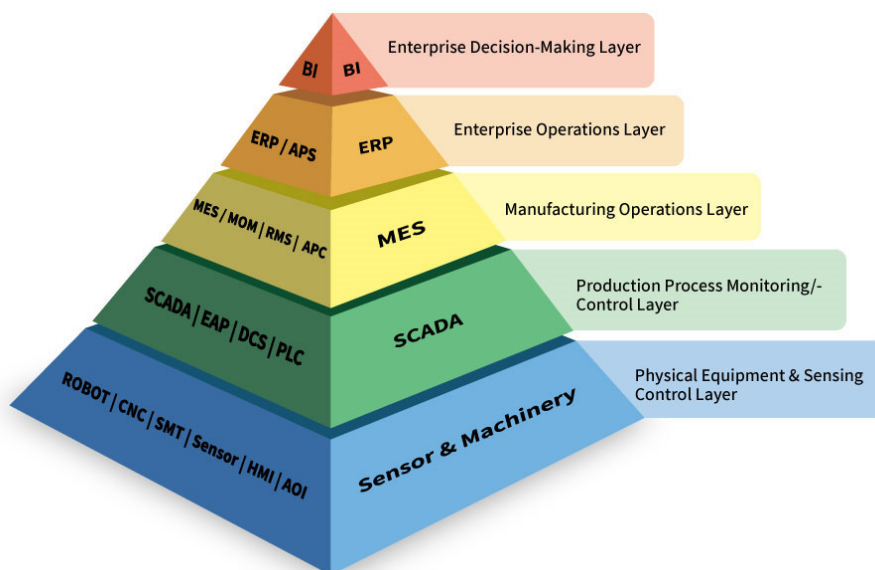


# Artificial Intelligence Innovative Services

Comprehensive Transformation | One-stop Shopping Solution

UPMOST actively promotes transformation by creating "AI Smart Innovation Services" solutions, offering professional management consulting services to help clients achieve "digital transformation" and embrace the era of smart innovation.

AI innovation services start from the client's needs. By systematically analyzing the root causes of problems, we propose effective and actionable solutions, while also providing professional services like One-Stop Shopping and Experience Sharing. These services help improve efficiency and solve problems and pain points.

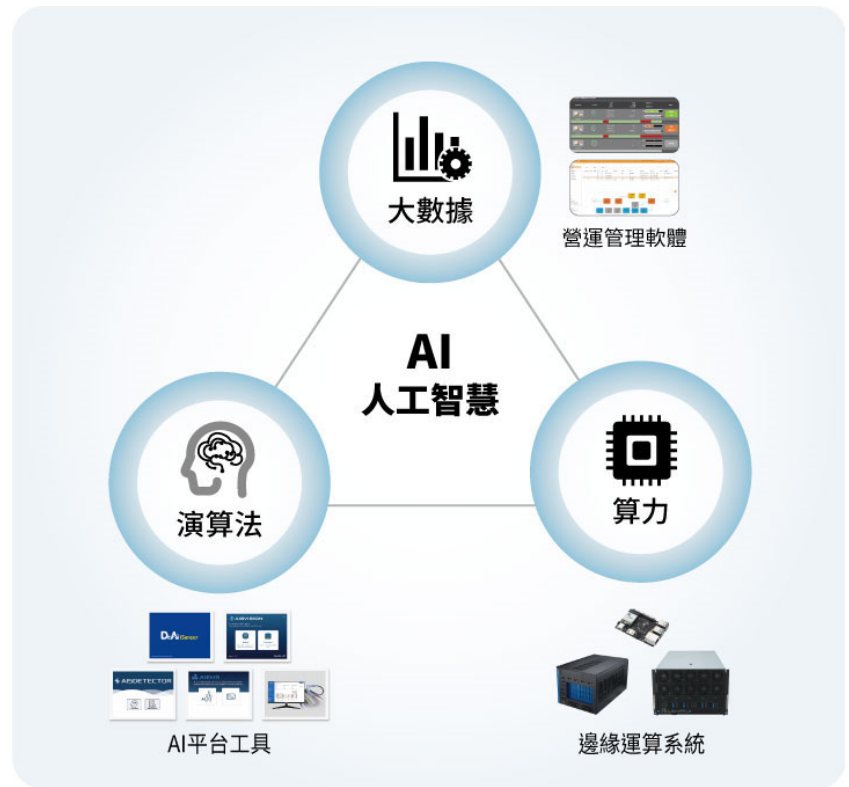


## Starting with customer needs, achieving digital transformation.

From understanding to implementation, UPMOST uses innovative technology and professional services to help clients break through traditional frameworks, successfully achieve digital transformation, and enhance competitiveness.

## Smart Innovation Services start with the three core pillars of AI.

UPMOST's Smart Innovation Services are based on the three core pillars of AI, offering products and solutions related to "big data," "algorithms," and "computing power" to accelerate the implementation and deployment of AI applications for users.



## One-stop shopping for all your needs, enjoying the best benefits.

UPMOST has shifted from single hardware sales to providing "one-stop shopping" professional services, offering a complete and rich product line and application solutions to help clients shorten time and improve efficiency.

- Save time costs: Save time on "product search," "self-assessment," "compatibility testing," and "multi-vendor communication."
- Save procurement costs: "Centralized procurement for discounts," "reduce multiple negotiations, minimize manpower waste," and "single logistics delivery to reduce transportation costs."
- Enhance service quality: Enjoy "single-window technical consultation/after-sales service" and "quickly meet customer needs."

Source	Hardware				Software				Technology	Solution
	Input	Process	Output	Other	Platform	Tool	Output	Other		
• Word • Image • Chart • Video • Light • Electricity • Liquefied Gas • Smoke • Fire • Wave • Voice	<b>Word &amp; Image</b> • OCR • Scanner • Camera • Webcam • Microscope	<b>AI Computability</b> • Single Board Computer • Edge PC • GPU Service • Notebook • Desktop	<b>Display</b> • Screen • Cellphone • Tablet • Monitor • Commercial Display • Touch Screen • Interactive Whiteboards • TV • Digital Signage Player	<b>Transmission</b> • Amplifier • Extender • Switch • Router  <b>Present</b> • Projector • Wireless Display • Cable  <b>Converter</b> • Signal • Interface  <b>Analyzer</b> • HDMI Analyzer  <b>Power</b> • UPS	<b>Image</b> [AOI Preprocessing] • PMOST AOI [Environmental Safety Detection] • AIEHS [AI Model Training] • AISVision • UPMOST Vision  <b>Data</b> [Equipment Status Prediction] • AISPHM [AI Model Training] • UPMOST Numeric [Expert Decision-Making] • UPMOST Numeric	<b>Image</b> [AI Model Inference] • UPMOST Vision Edge [Image Tracking and Counting] • UPMOST TC Edge  <b>Data</b> [AI Model Inference] • UPMOST Numeric Edge [Waveform Detection] • AISDetector	<b>Storage</b> [Data Collection Tool] • ERP  <b>Display</b> [Tactical Display Tool] • UPMOST BI • UPMOST BI Pro	<b>Operation</b> [RPA] • UPMOST RPA [Virtual Assistant] • UPMOST Chat	• 5G • IoT • AI • Big Data • Automation • Cyber Security	<b>Standard</b> • Security Monitoring • Entrance Control • Computer Vision  <b>Customized</b> • Security Monitoring • Smart Factory • Defect Detection • Smart City • Smart Transportation • Smart Retail • Smart Healthcare • Smart Education
	<b>Audio</b> • Microphone	<b>Video</b> • Capture • Stream Device • Video Mixer	<b>Storage</b> • Enclosure Box • RAID Card • Memory Card • SSD/HDD • Medical Record  <b>Control</b> • PLC • Conveyor • Robotic Arm • Environment Control							
	<b>Other</b> [Sensor] • AISSENS 100AW (Vibration) • Another Sensor	<b>Audio</b> • Amplifier								

## Tailoring the best solutions based on industry needs.

Based on the needs of different industries and clients, we provide the necessary products and services to help users accelerate the completion of various applications across different industries.



### Manufacturing Industry

We provide related products such as components, modules, boards, and software modules.



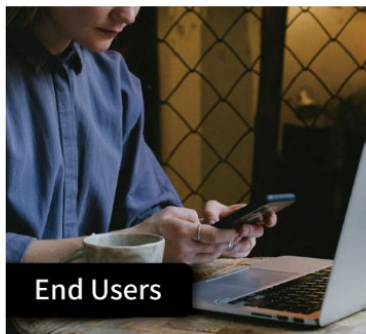
### Hardware and Software Developers

We provide specialized hardware or software products based on specific needs.



### System Integrators

We provide complete hardware and software integration solutions, covering technologies such as 5G, IoT, AI, big data analytics, automation, and cybersecurity.



### End Users

We bring a variety of technology products and smart applications to end users in various environments such as hospitals, conference rooms, offices, and command centers.

## Professional consulting services to ensure the best experience.

To ensure users can effectively solve problems, UPMOST collaborates with partners to provide professional service solutions, helping businesses stay up-to-date with the latest technologies and application trends, ensuring they maintain a competitive edge in the wave of digital transformation.

- Professional Consulting Services: Understand customer needs, assist in problem-solving, and provide the best solutions.
- Customized Solutions: Integrate "software," "hardware," and "systems" based on requirements to offer complete and actionable solutions.
- Successful Experience Sharing: Promote "new technologies," "industry exchanges," and "professional training courses" to help users stay ahead of the latest trends.





#### Effective and Executable Systematic Solutions

- Digital Transformation  
(Business Decision-Making | Operations Management | Manufacturing Production)
- Smart Factory
- Lean Production
- Defect Detection
- License Plate Recognition
- Multimedia Integration



#### Software, Hardware, and System Integration Services

- Edge Computing Development Board
- Edge Computing Host
- GPU Server
- Image Model Inference Tools
- Equipment Status Analysis Tools
- Signal Analysis and Detection Platform
- Field Hazard Detection Platform

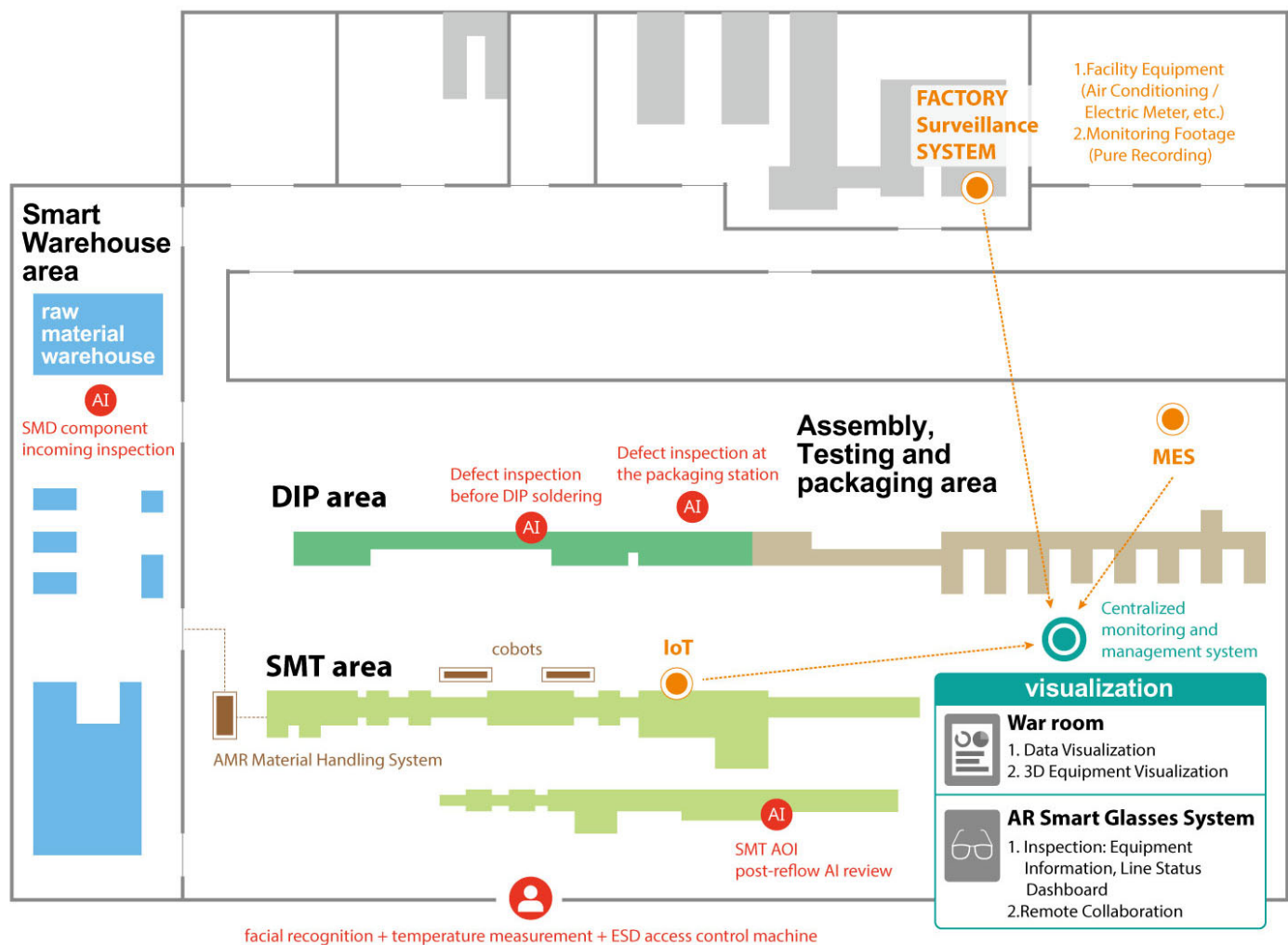


#### AI Tools, Professional Technology Sharing and Experience

- Software Program Development
- Hardware System Development
- System Integration Development
- Multimedia and Audio-Visual Applications

## Digital Transformation Example: Smart Manufacturing Factory

UPMOST Smart Innovation Services provide the necessary software, hardware, and solutions for areas in the factory such as SMD, SMT, DIP, and MES, helping to achieve digital transformation.

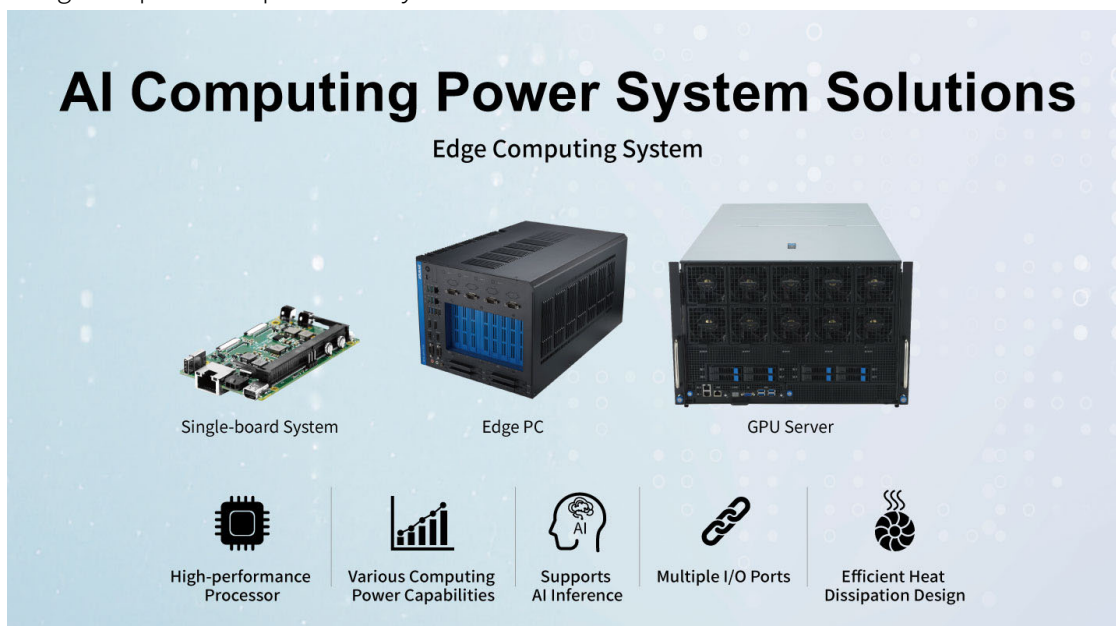


※ The PCBs received in the SMT area have already been washed and are semi-finished products from the supplier. The initial inspection has been completed by the supplier, so the SMT area of ASUS's smart factory only conducts AI review after the AOI.

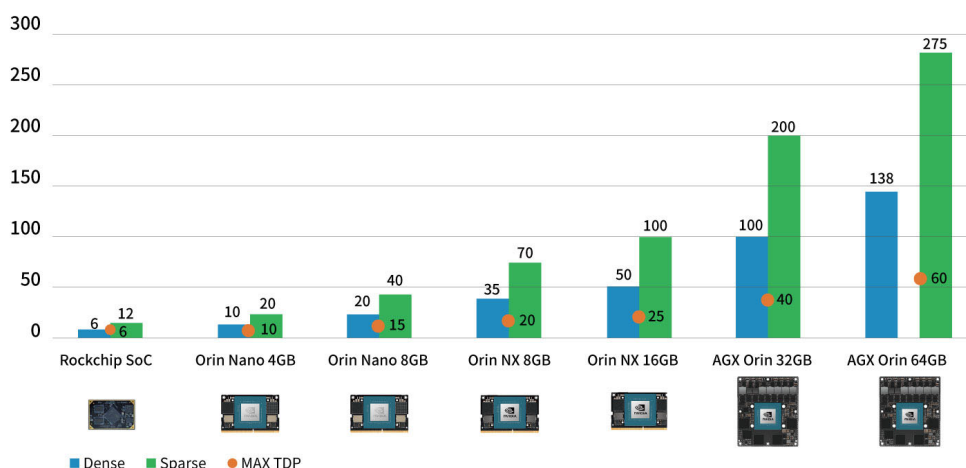
※ Equipment anomaly in production: The equipment has a traffic light system (red, yellow, green). When an anomaly occurs, the red light is illuminated, and the machine stops operating. Anomaly messages will be sent to the centralized monitoring system, notifying relevant personnel (based on how the centralized monitoring system is configured).

# Computing Power System - Edge Computing Solutions

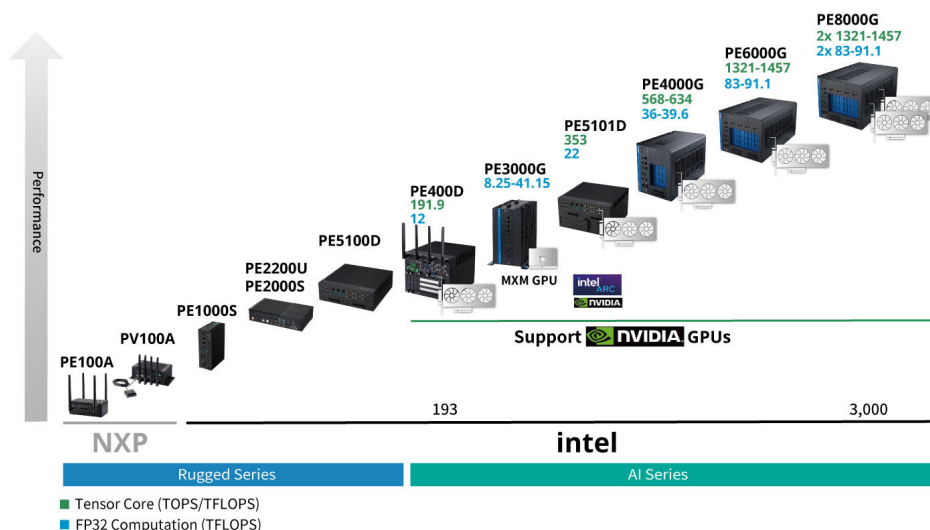
For the data processing and inference application needs of digital transformation, UPMOST offers a complete edge computing system solution, ranging from low-power single-board systems to high-performance Edge PCs and GPU servers, covering all aspects comprehensively.



Single-board system computing power



Edge PC computing power



## Smart Manufacturing - AI Platform Tool Solutions

In digital transformation, to improve production efficiency and avoid manpower waste, UPMOST provides comprehensive smart manufacturing solutions with "Low Code" and "No Code" platforms. These solutions are not only applicable for building smart factories but can also be adapted for different applications across various industries and environments based on specific use cases.

# AI-driven Manufacturing Comprehensive Solutions



**UPMOST AOI**  
Smart Optical Recognition Platform



**AISVISION**  
Artificial Intelligence Vision Software



**AISDetector**  
Abnormal Waveform Analysis Application Software



**AIEHS**  
Smart Industrial Safety Protection Platform



**AISPHEM**  
Fault Prediction and Health Management Platform



Diverse Application Scenarios



Quick Setup, Simple and Easy to Use



Multiple Built-in Models



Low-Code Development



Accelerate Project Development




Data Analysis and Predictive Prevention

## Digital Transformation - Operations Management Solutions


For customer data and data sources, we provide MES and ERP solutions, tailoring an effective operations management software based on customer needs to help businesses accelerate digital transformation and enhance competitiveness.

# Intelligent Digital Management Solutions


### MES & ERP Smart Systems




MES Smart Systems




ERP Smart Systems




Flexible Customization




Data Integration



Real-time Monitoring



Efficiency Improvement



Diverse Applications



# Monitoring and Management - Display Dashboard System Solutions

The display dashboard system can be used to implement monitoring in command centers, conference rooms, and advertising boards, helping businesses effectively operate and control, while displaying the required information.



## Peripheral products

In addition to AI core products, UPMOST also offers a wide range of peripheral products, such as Wi-Fi modules, I/O expansion cards, USB hubs, external hard drive enclosures, image processors, and other peripheral devices, providing users with integration and application options.



Wi-Fi module



I/O expansion card



USB HUB



External hardware enclosure



Audio-visual processor



Wireless transmitter



Digital microscope



Barcode scanner



Image capture device



## **Partnering with users to co-create a smart future.**

In the era of the Internet of Things and smart innovation, UPMOST leverages "hardware," "software," and "application solutions" as its core competitiveness, providing "high reliability," "high stability," and "high performance" integrated solutions. These solutions effectively address compatibility issues, reduce development costs and risks, and, driven by innovation, collaborate with users to co-create a smart future.