

USAI Co., LTD.

Global leader of AI on Edge

The scope of product lines

Solution Application	Industry 4.0	AR/MR	Web-Base OPC/SCADA		
Cloud Application	Storage/File Server				
Edge Device	iDAQ	AI Gateway	Smart Camera/AOI	RC image Tx/Rx	RF Matching
Sensor	Turbo Vacuum	O2 Sensor	H2O Sensor	RC 9DOF	Arcing Sensor

Drone/car
Racing
Filming
Entrainment
Gaming
Broadcasting
Healthcare

Cybersecurity
5G
WiFi AP
Network card
Blockchain
Crypto-Payment

Industry
Semiconductor
Factory
Thermal induction
Optical fault
AOI
Vacuum
Solar/Gas

PWM
Data mining
Productor
Environmental-protection

5G platforms
SDN/WS/VtoV
SFC/WiFi6
5G/WiFi6 Hub gateway

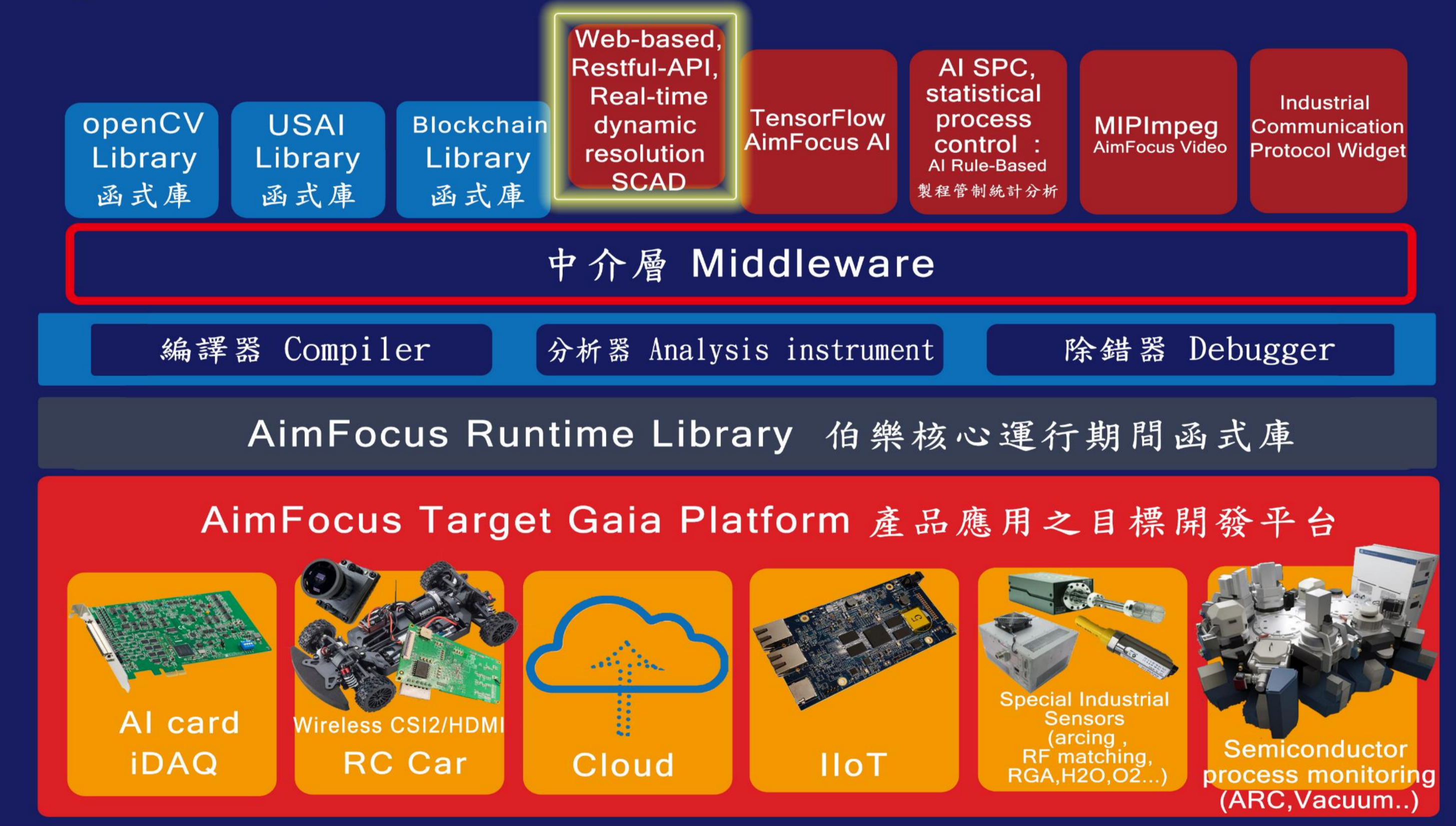
System Communications
Industry Communication
On-board Communication
Network Communication

AI platforms
Edge computing
Sensor fusion

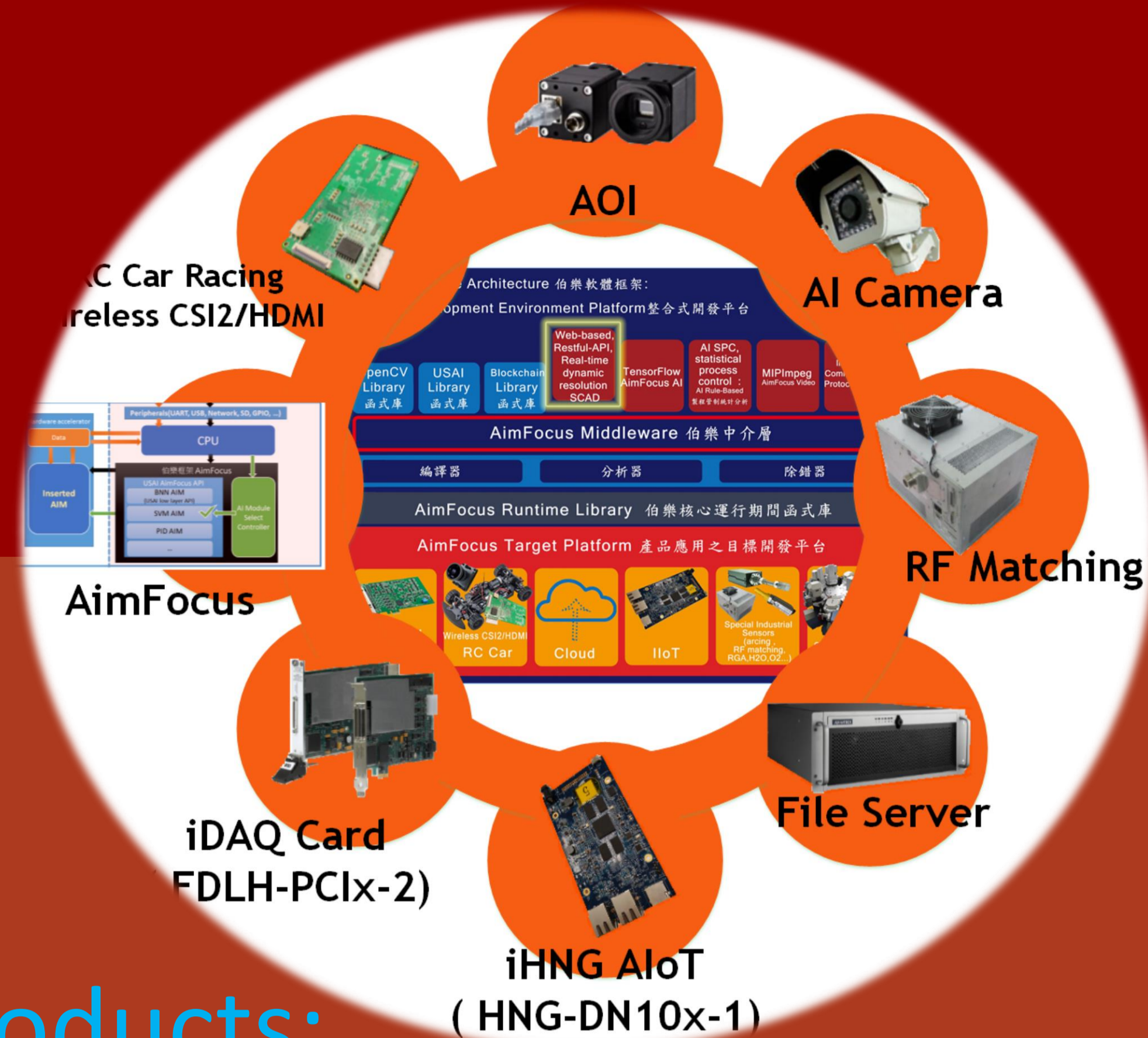
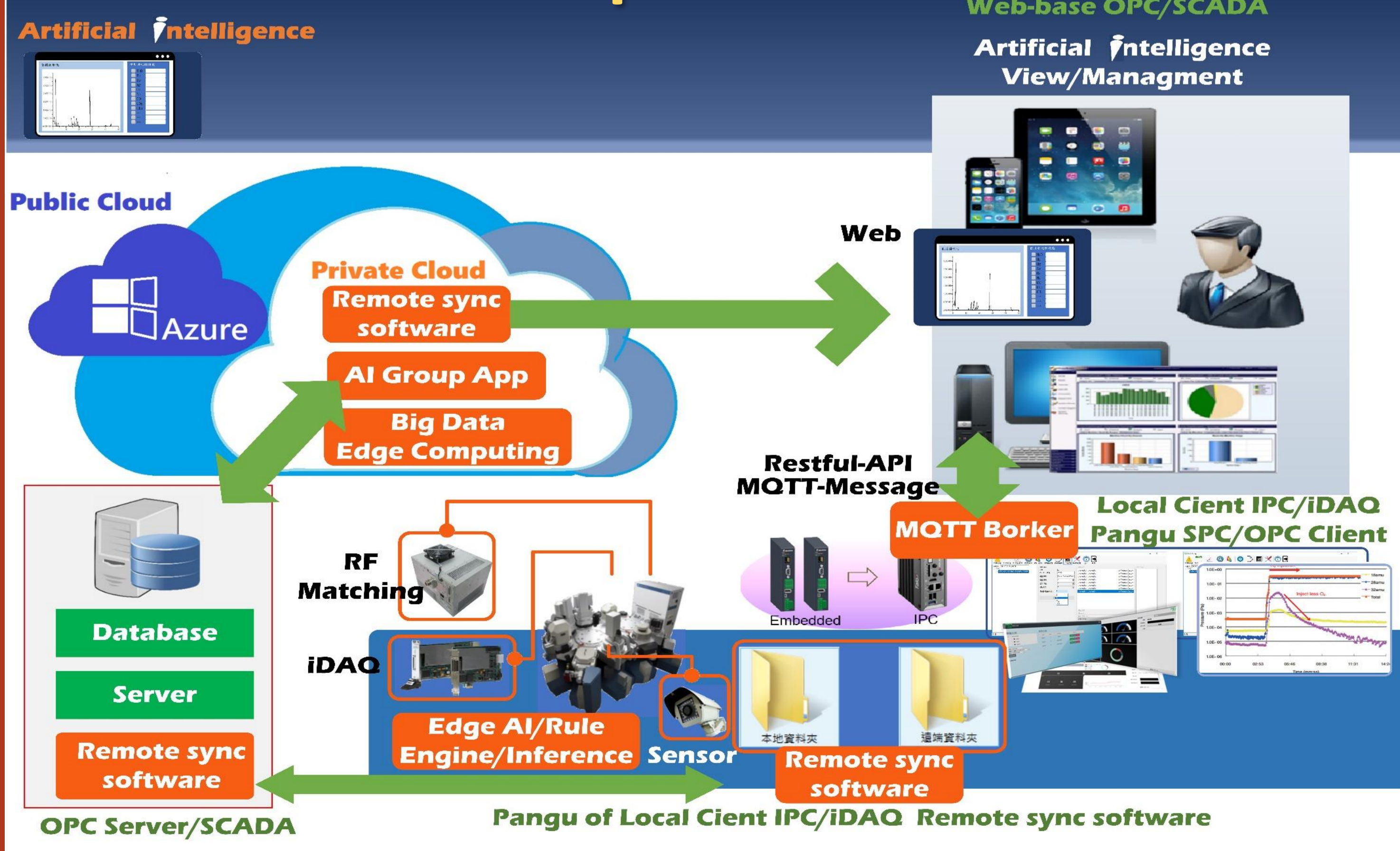
Bole software Architecture

Bole Software Architecture 伯樂軟體框架:

Integrated Development Environment Gaia Platform 整合式開發蓋婭平台



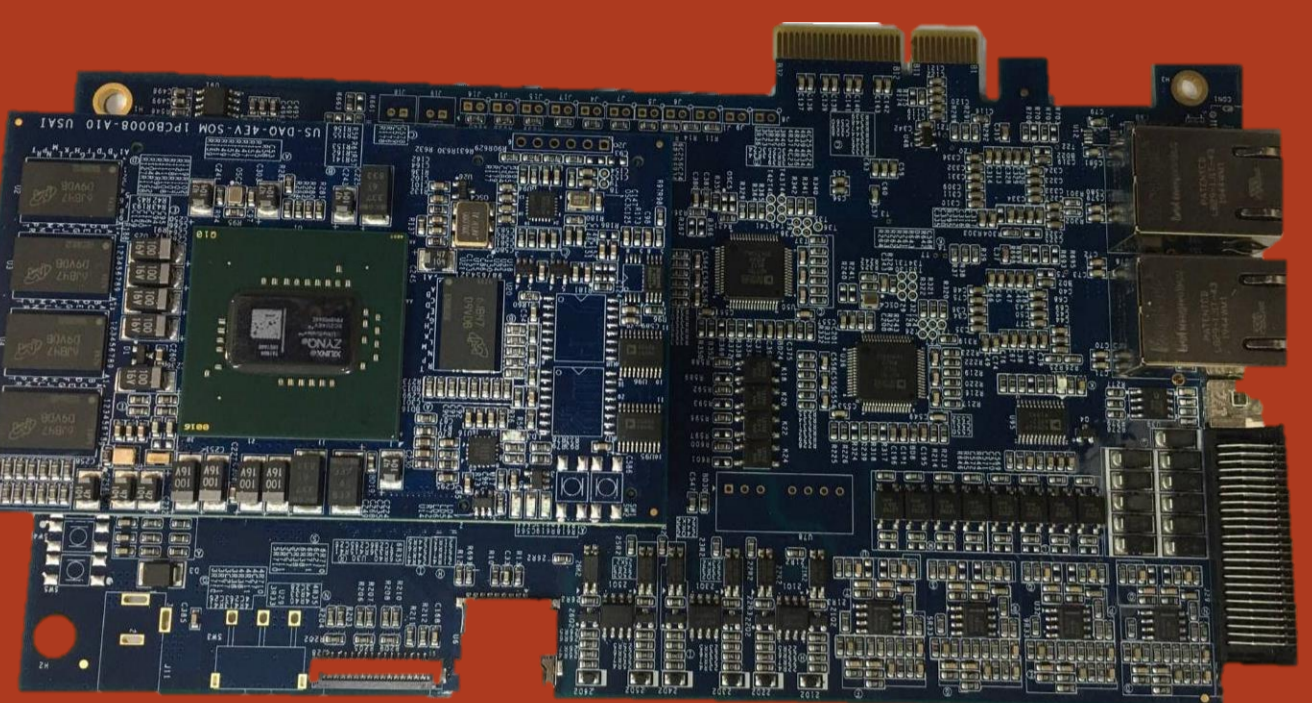
Gaia Development Platform



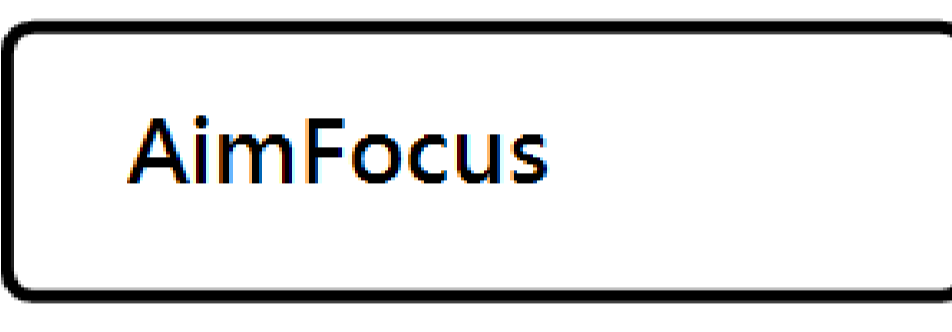
Leading Products:

Industrial iDAQ Card and Pangu System

- * iDAQ cards enable AI supports for AI recognition and reasoning
- * Real-time acquisition and analysis in Pangu system.
- * Suitable for field monitoring, sensor data analysis and automatic optical inspection.



AimFocus

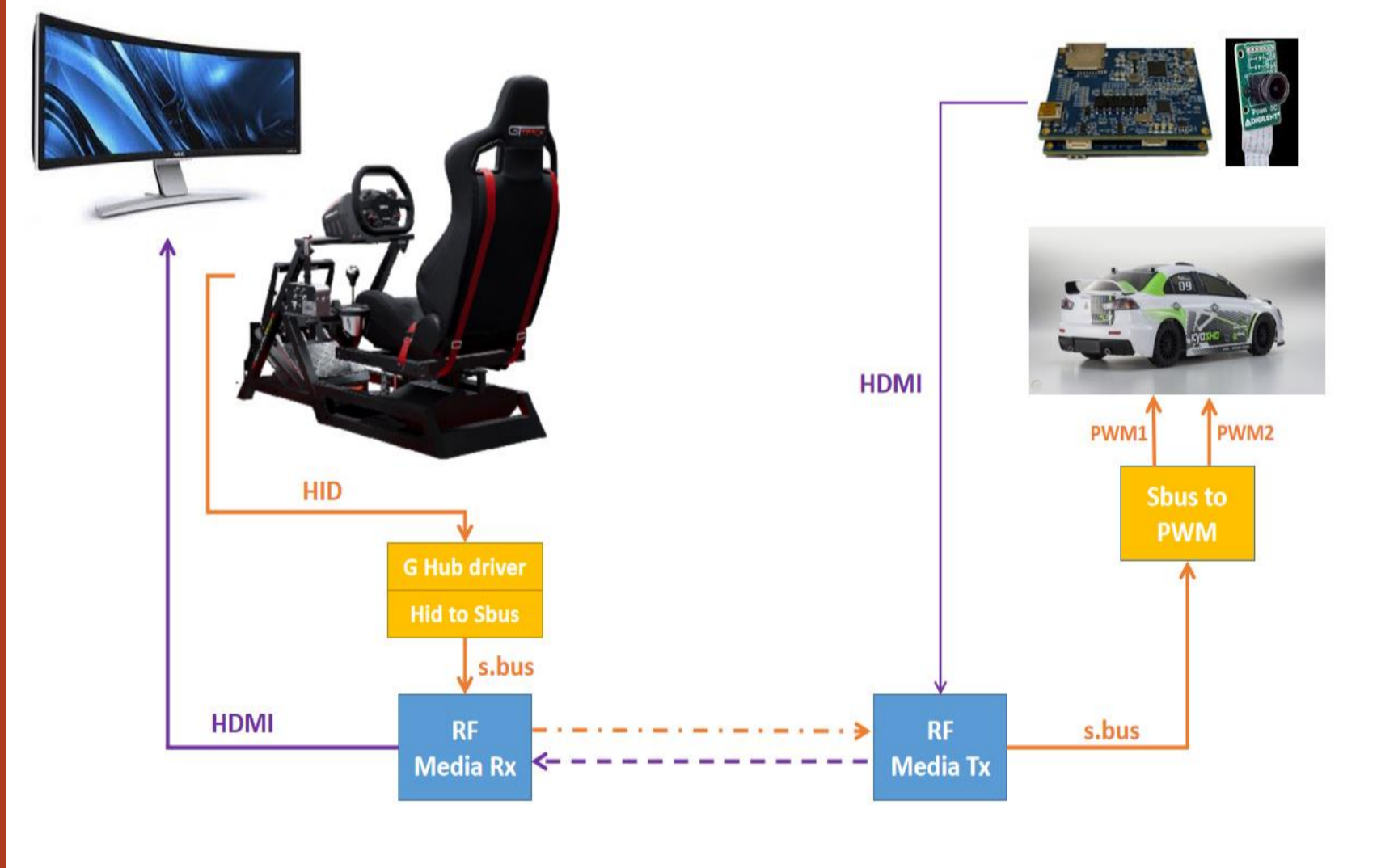


- AI Classifier Engine
- AI Rule-base Engine
- AI Reasoning Tool
- AI Ontology Tool

- * Users can build AI models in web-based applications from the browser. Then, AimFocus generates HDL code automatically, supporting programming for Xilinx and FPGA, SoCs for Verify HDL circuit.
- * Bole software with AimFocus is able to choose the most appropriate tools for AI developing.

RC Racing within AR and MR

- * This product is for RC racing. It integrated AR and MR. It means players can feel the most surreal experience.



- * Two real-time communication channels. HID is the control channel, and HDMI is video channel.

- * AI models were integrated to RC racing. With the rule-based Inference engine, it can create simulated environment merged with AR and MR.
- * Using 5GHz channel for real-time HDMI video streaming.

CashPlug

- * With Blockchain tech, CashPlug can monetize any digital service and goods in a few minute.
- Plug and pay**
- * Embed to any webpage, API, file, streaming, app.
- Pay with ease**
- * Registration-free, P2P, permissionless, high-privacy.



AiFix

- * A dynamic customized GUI for web SCADA and AI SPC system.
- * Users can develop and test hardware in web browsers.

