

Thundercomm

World Leading IoT Product and Solution Provider

www.thundercomm.com

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Company Overview

Thundercomm

Thundercomm Overview

Joint Venture between **ThunderSoft** and **Qualcomm**



Origin

Foundation

Rapid Growth

2011

2016

2018

2019

2021

2022

Joint Lab

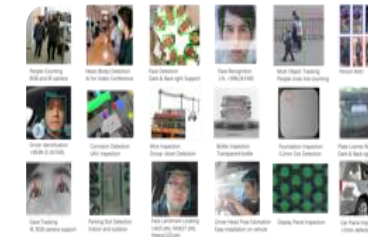
Joint Venture **Thundercomm**

Joint Innovation Center

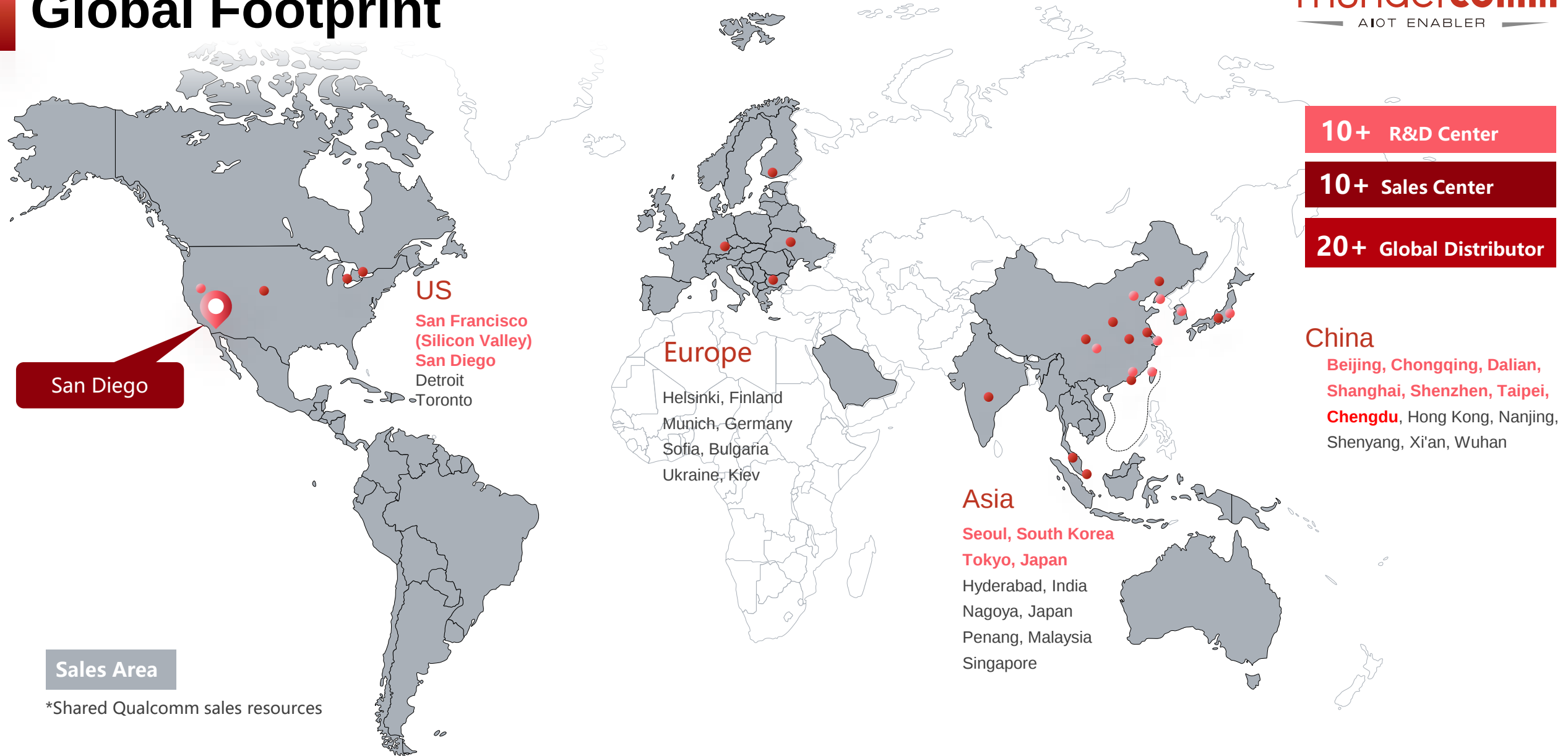
Joint Venture with Ability

New Office in San Diego

Joint Venture **Lightning**



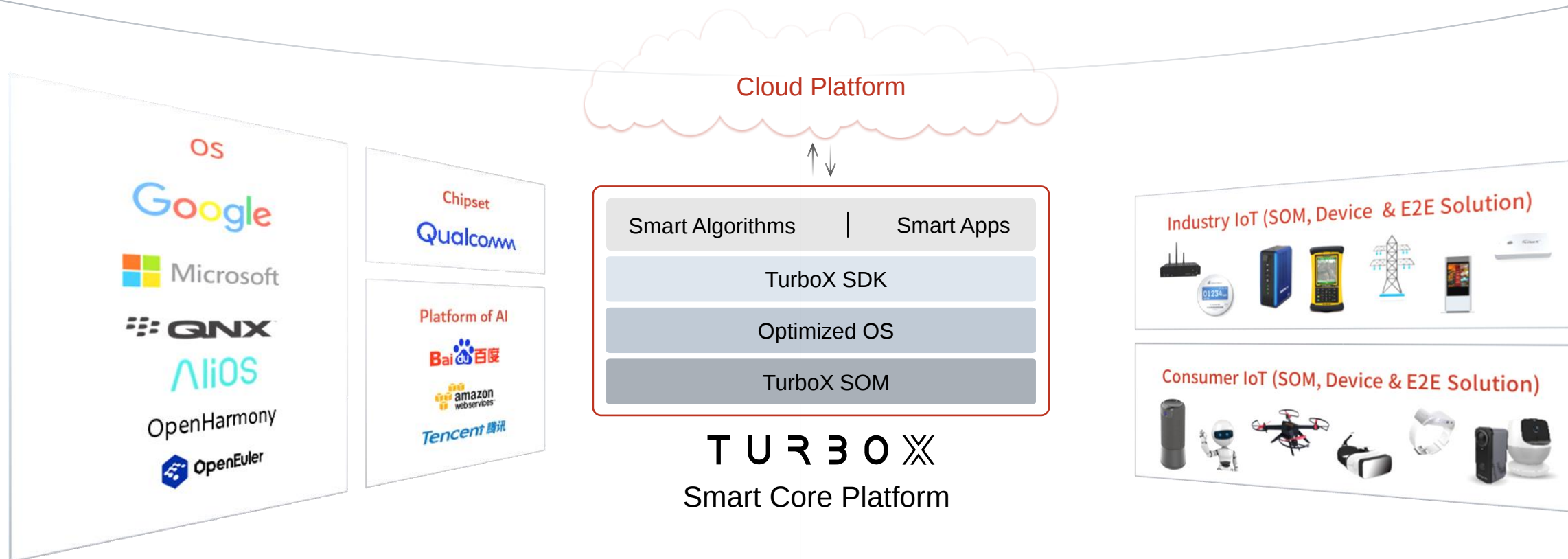
Global Footprint



Value Proposition

Thundercomm

Empowering Every IoT Device with Our Technology



Shorten Time to Market | Reduce R&D Cost | Better User Experience | High Quality Delivery

What We Do



Products & Solutions

Solutions



Smart Home
(NAS, Assistant Robot)



Smart Manufacturing
(SOP, Defect inspection)



Smart Transportation
(V2X, DMS, ADAS)



Smart Building
(Energy Mgmt., Office Safety)



Smart Retail
(VIP Mgmt., Smart Access)



Smart Healthcare
(Telemedicine, AI-assisted cancer
detection)

10+ Solutions

Product



AI Kit



EB5



EB6



EB2



FOTA



Model Store



IoT Harbor



ModelFarm



Video Management



OSWare



AIoT
Turnkey Platform

20+ Products

Dev Kit



RB6 Kit



RB5 Kit



RB3 Kit



OpenEye



Camera Kit



Automotive Kit



Wearable Kit



XR Kit



5G Kit



Common DK



VR Reference



Video
Conference



IPC Reference

40+ Dev Kits

SOM



TurboX C7230



TurboX C865C



TurboX C5165N



TurboX C6490



TurboX C5430



TurboX C4290



TurboX CM2290



TurboX C5150



TurboX CT6490



TurboX T62M



TurboX T62G



TurboX C865



TurboX D845



TurboX D660



TurboX C610



TurboX CM6125



TurboX C404



TurboX T55G



TurboX T55M



TurboX T95

30+ SOMs

Core Technologies

Cloud



Device Management



Firmware Update



Data Management



Data Analysis



Rules Engine



Application Management



Algorithm Store



Security

Edge



IoT Bridge



Multi Cloud support



Micro Service



T-Stream



Device Virtualization



Low-code Programming

Device



Robotics



Camera



AR/VR Glasses



Wearable



Retail Terminal



Edge Box



5G Terminal



Speaker



Handheld Terminal

Technologies

Optimization



Fast Boot



Small Footprint



Power Saving



Low Latency



Camera Tuning

Function



AI Engine



Multi Camera



Video Transfer



Real Time



Face Recognition

Security



Dual OS



Consistency



Data Protection



HDCP



Voice Encrypted

Compatibility



Multi Chipsets



Applications



1,000+ Components



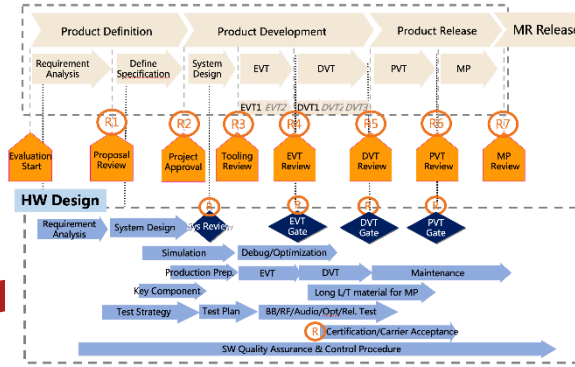
Hybrid Cloud



Tools

Device Full Stack Capability

- 250 HW Engineers in BJ,SZ, DL and TW, ~60% of team have 16 years+ experience
- Covering consuming/**industrial and Auto-grade design** domain
- **4G/5G** RF and ANT design & test expertise
- PI/SI/Thermal simulation



Strategic CM partner for product global shipment(China Mainland, TW, Malaysia, etc.)



EE Design

Mech Design

- Solid experience in-house Mech design
- Rich experience on **molding**, CNC and surface finishing process.
- Extensive product coverage: mobile phone, camera, Industrial, Auto-IOT products
- Deep experience in thermal system simulation and design.

Product Verification

Quality&NPI

Manufacturing

DFM

- Components Distance, Placements of Devices
- Panel Design and Confirm Process and Product Evaluation

DFT

- Test Points, Test plan and test specification
- Fixture Plan and Review
- Test flowchart defined with client's confirmation

Coverage

- Check the coverage of test plan
- Coding and demo with D-Kits development

GR & R

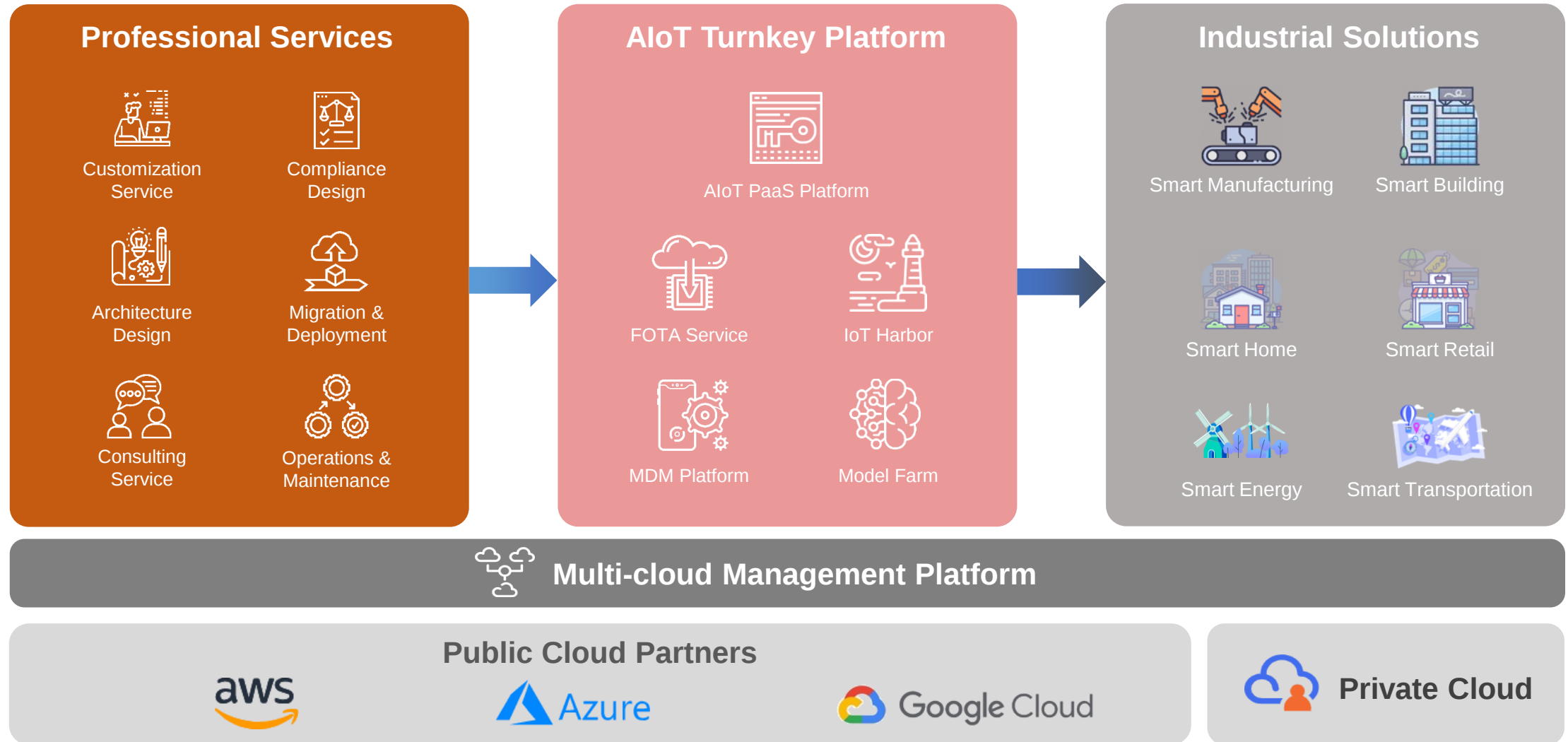
- Review Repeatability/Reproducibility PT ratio Value
- Verify if test environment and test system is stable

VAL

- Golden sample verification
- Test program control

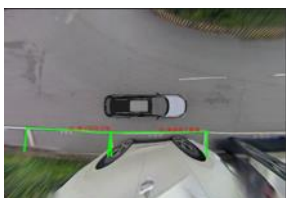
Cloud Capability

Provide **multi-cloud management platform** with **professional services**, **one-stop AIoT Turnkey Platform**, and **vertical industrial solutions**.



AI Algorithms

- 30+ AI Algorithms
- On-device AI support
- Small sample training
- CV & AI combination



AI Chip Enabling

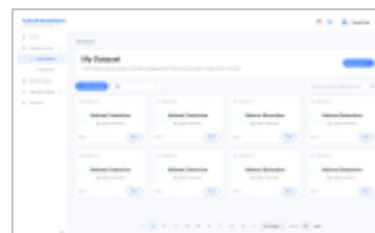
- AI inference engine
- Intermedia Representation
- AI operator development
- Model optimization

Qualcomm

ARM

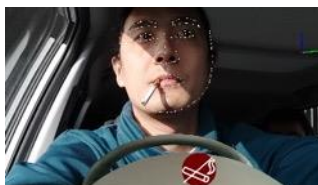
AI Tools

- Data Labeling
- Data analysis
- Model training
- Benchmark



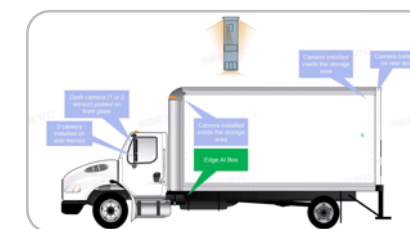
Vision Ability

- Defects Inspection
- Safety Factory
- FaceID
- DMS



Application scenario

- Smart Building
- Smart Retail
- Smart Vehicle
- Smart Industry



Customers

XR

VUZIX

Lenovo

网鱼电竞

facebook

WHALEY

HISCENE
亮风台信息科技

Rokid

WESTUNITIS
WEST Universal Technical Intelligent Supply

Robotics

Robot

brain corp

ORIONSTAR
猎户星空

Segway-Ninebot

普渡

CARNEGIE ROBOTICS

LG

SoftBank

美团

Google Wing

Camera

poly

Yealink

CISCO

MOTOROLA
SOLUTIONS

YAMAHA

OWL Labs

RICOH

ByteDance
字节跳动

钉钉

Wearable and Sharable

logitech

fitbit

LOUIS VUITTON

DEVIALET

TCL

miku

TONAL

Gatebox

Handheld and Payment

Panasonic

Honeywell

DATALOGIC
THE VISION IS YOURS

RugGear 朗界

FUGGON

ADVANTECH

Cloud

aws

Schneider
Electric

POSITEC

TAIJI

sonim

DHL

京东京造
京东自有品牌

DENSO

JVC

Industry Enterprise

SoftBank

NTT docomo

中国移动
China Mobile

China
unicom中国联通
Innovating Your World

SoftBank

FUJITSU

flock safety

Successful Cases



Lenovo
Thinkreality A3



Lenovo
Thinkreality A6



Vuzix
AR Glasses



WangYu
YVR



Softbank
Whiz



iRobot
Vacuum Cleaner



OrionStar
Service Robot



PUDU
Delivery Robot



Poly
Studio



Ding Ding
F2



Yealink
Meeting Eye 600/400



Cisco
Webex Desk Hub



SoftBank
Edge Box



Honeywell
Handheld



Mexus
5G Router



LOUIS VUITTON
Smart Watch



LYNK & CO
06 Watch



Fitbit
Kids Watch



Louie Vuitton
Smart Speaker



Devialet
Phantom



Immotors
L7 CarLog Camera



Bytedance
Vlog Camera

Associations and Alliances



Autoware Foundation



Wi-Fi Alliance



Linux Foundation



Linux Foundation Edge



Linaro 96Boards



European Telecommunication
Standards Institute



HDMI Licensing
Administrator



Artificial Intelligence Industry
Development Alliance



Edge Computing
Consortium



Beijing Association and Information
Service Industry Association



OLA Alliance



China Communications
Standards Association



Openatom Foundation



HarmonyOS Developer
Forum



OpenEuler Community



Shenzhen Smart Home
Association



Zhongguancun Mobile
Internet Industry Union



Zhongguancun High Technology
Enterprises Association



Zhongguancun Big Data
Industry Alliance



China Mobile Computing
Alliance

Awards and Certifications

Awards



EB5 AI industry award-best products



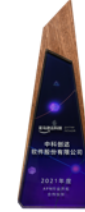
EB5 2021 world electronics achievement awards Aspencore



2021 Pioneer in 5G technology application



2021 AI Quality Workplace Award



2021 AWS Annual APN Industry development partner



2020 AI Innovation Excellence Award



2020 IOT List of best products & Solutions



2020 AI Quality Workplace, & Health Award



2019 Best Foundation Stone Award



2020 HarmonyOS hardware innovation partner

Certifications



ISO14001:2015



ISO9001:2015

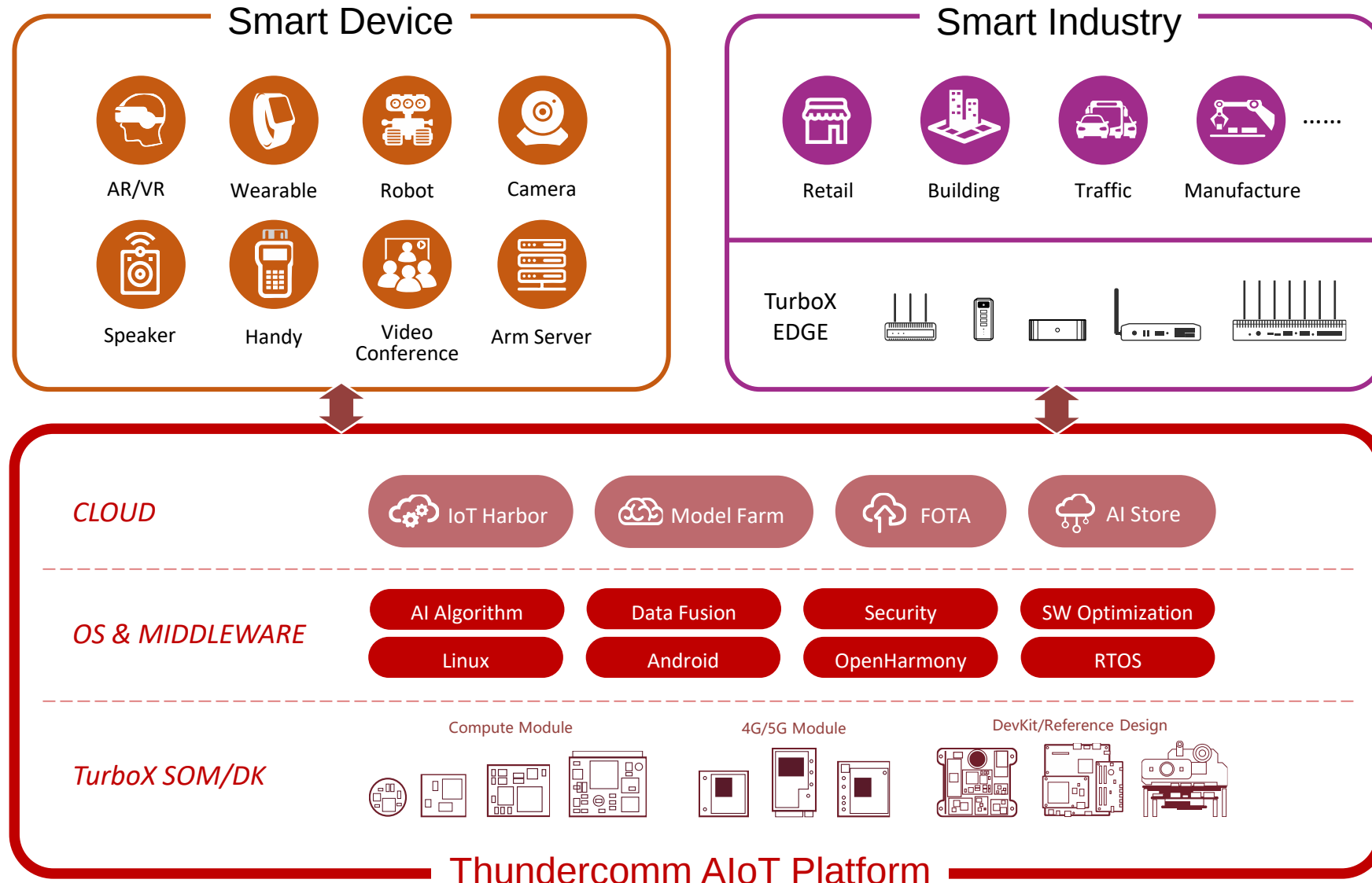


EB5 AWS Certifications

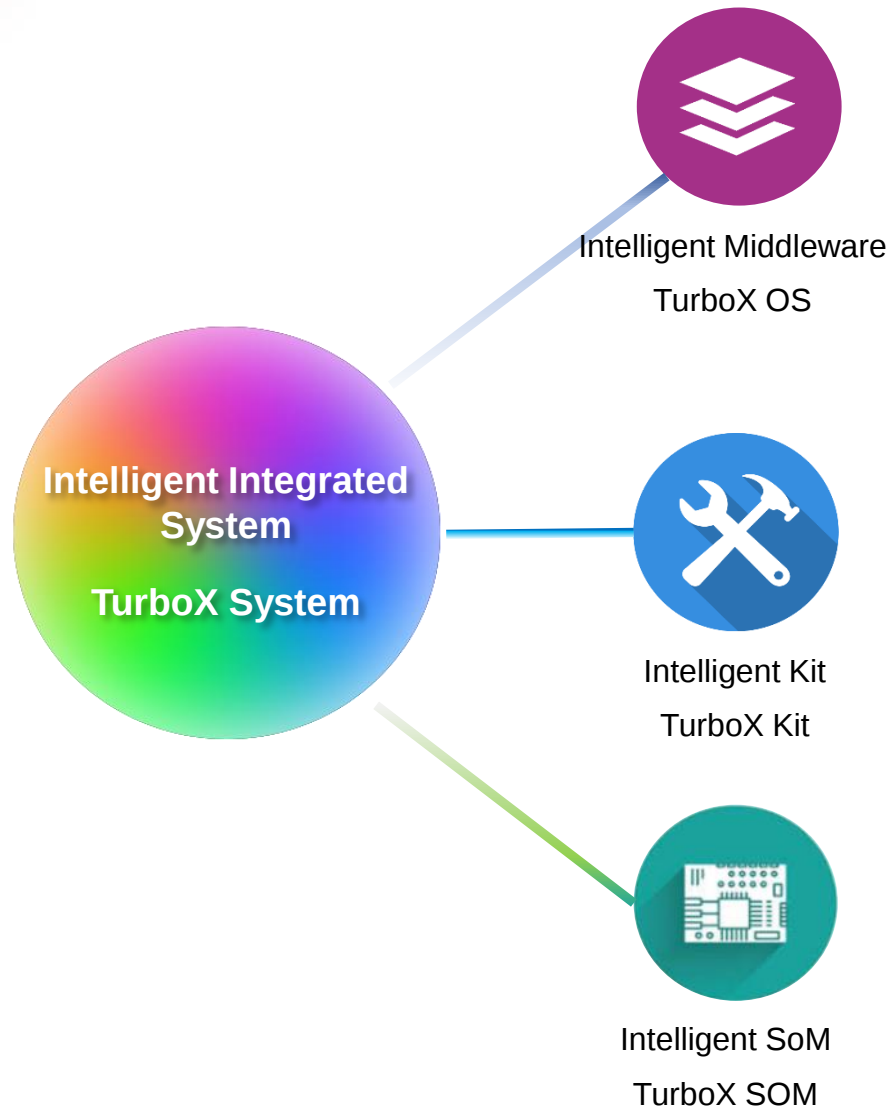
Product Portfolio



Product/Solution Matrix



TurboX System



TurboX UI

- Kanzi UI Engine
- Kanzi Studio
- Natural Interaction

TurboX MM

- Complete Camera Stack
- CV Algorithms
- Low latency optimization

TurboX Connect

- Multi-WAN Switch
- 5G Slice
- DDS/Soft Bus

TurboX Collaborate

- Edge Cluster
- K8S/K3S orchestration
- Edge-Cloud E2E Solution

TurboX Cloud

- IoT Harbor platform
- FOTA & MDM platform
- Multi-Cloud Management Platform

TurboX Edge

- Edge Container Platform
- Rule Engine/Device Agent
- Video Analytics

TurboX AI

- Product Gade Algorithms
- On-device AI Optimization
- ModelFarm AI Platform

TurboX Device

- Device Discovery
- Multi IoT Protocols
- Device Virtualization

TurboX Security

- Hypervisor/Container Isolation
- Device secure boot
- Device data protection



AI Kit



RB5 Kit



RB6 Kit



Edge Kit-EB5



OpenEye



Camera Kit



Automotive Kit



Wearable Kit



XR Kit



TurboX C7230



TurboX C865C



TurboX C5165N



TurboX C6490



TurboX C4290



TurboX CM2290



TurboX C5150



TurboX CT6490



TurboX T62M



TurboX T62G



TurboX M12



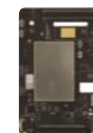
TurboX C865



TurboX D845



TurboX D660



TurboX S605



TurboX C610



TurboX C410



TurboX CM6125



TurboX C404



TurboX T55G

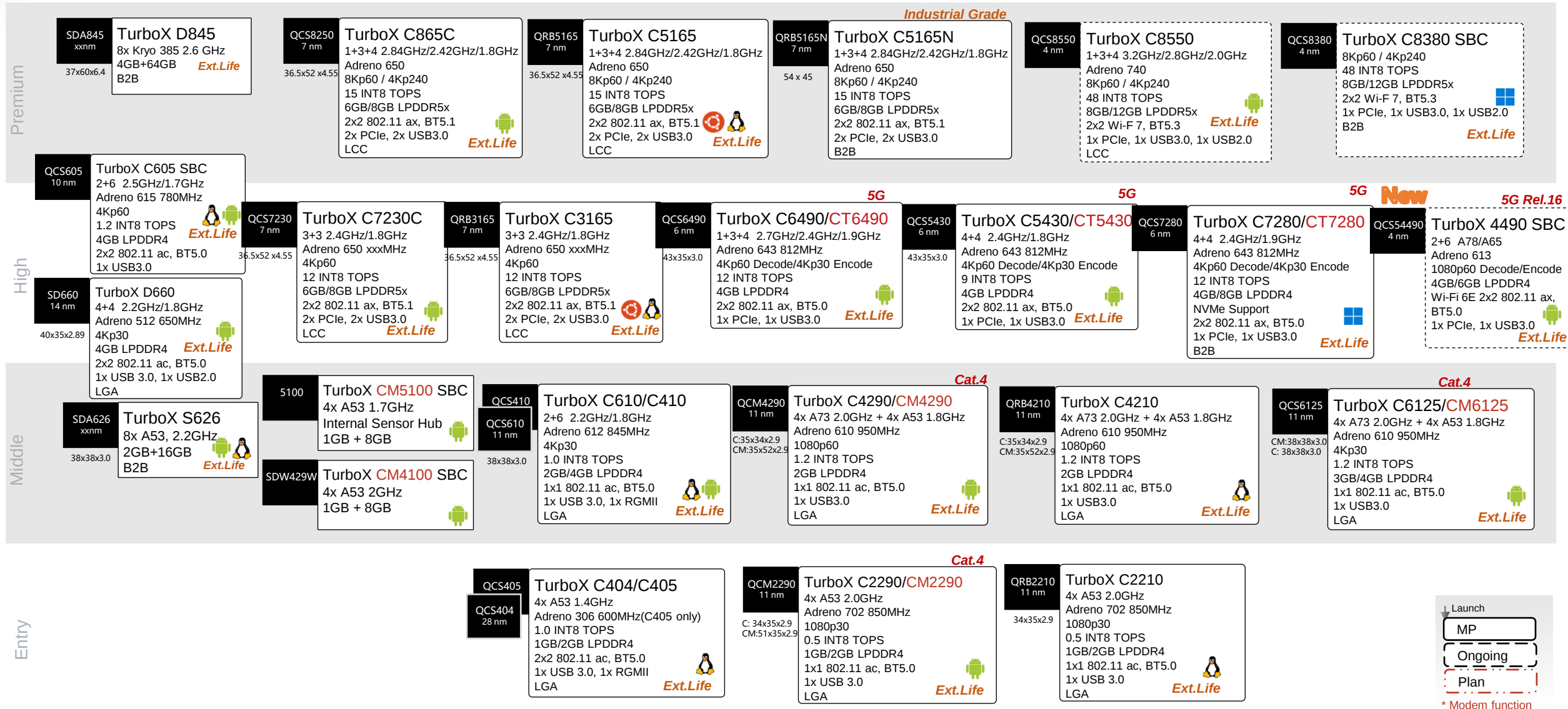


TurboX T55M



TurboX T95

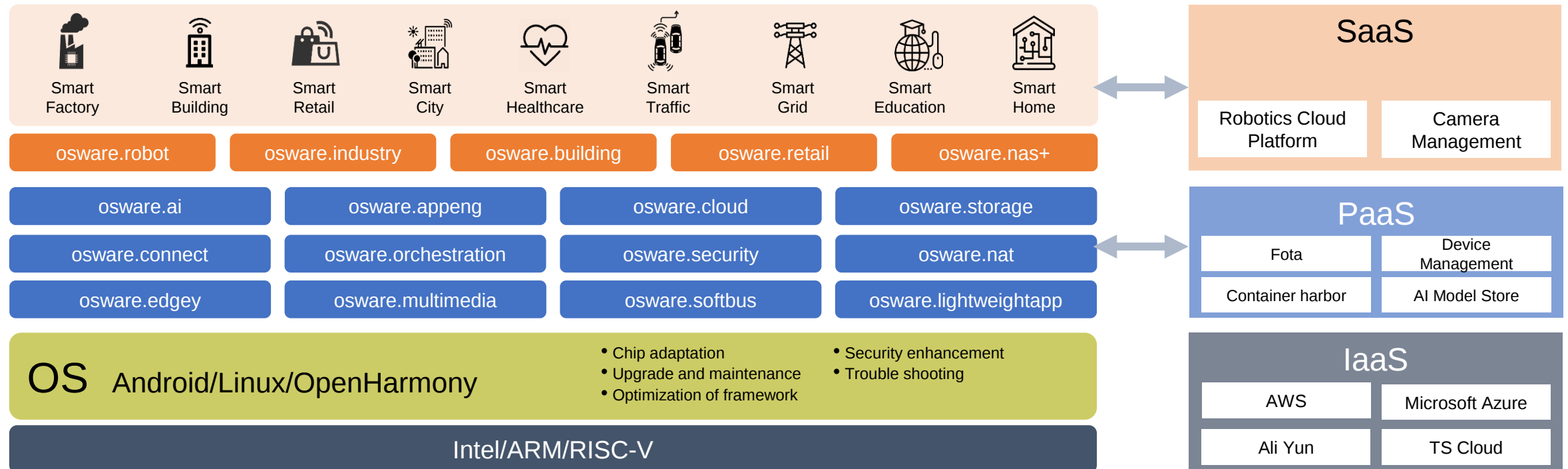
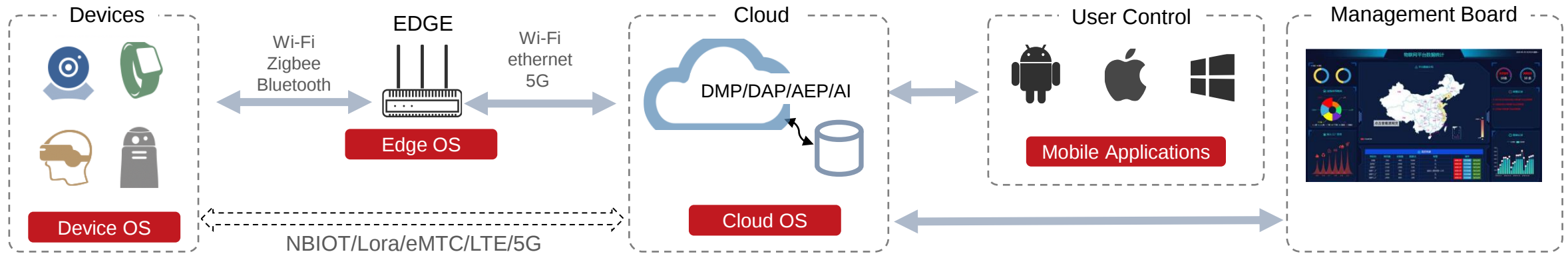
TurboX SOM Roadmap



TurboX SOM Roadmap - Cellular

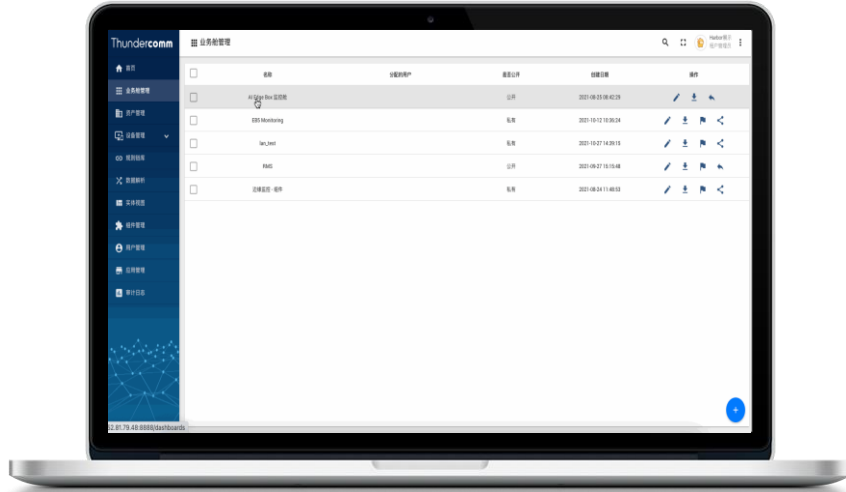


IOT OS



IoT Harbor Platform

Platform Snapshot



Platform Features

IoT Harbor is an IoT PaaS platform that eases the burden and cost of developing, managing and maintaining enterprise-class IoT solutions with the following capabilities.

- Device Connection
- Device Management
- Data Analytics
- OTA upgrade
- User Management
- Industry Application Templates
- Personalized Dashboard
- App Store Management
- AI Model Management
- Security Management

Customer Value

Simplify the onboarding process and quickly build a industry specific production-ready IoT solution.

- Simplify setup, reduce management burden, operational costs, and overhead of a typical IoT project.
- Bring solutions to market faster, while staying focused on your customers.

✓ **Industry-focused**

✓ **Security & Compliance**

✓ **Enterprise-grade**

✓ **Predictable pricing**

Application Scenarios



Smart Building



Smart Retail



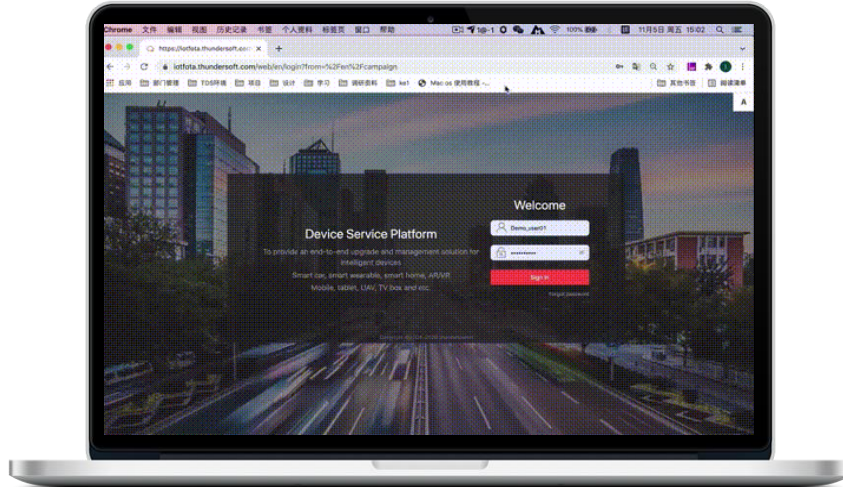
Smart Home



Smart Manufacturing

FOTA & MDM Platform

Platform Snapshot



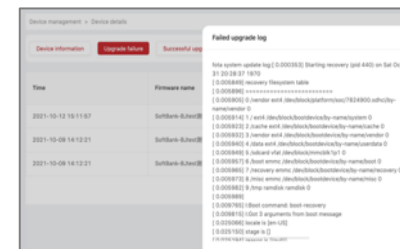
Platform Features

- Visualization of Upgraded Data Analysis
- Upgrade Task Management
- Firmware Management
- Device Management
- Application Management
- User management
- Asset Management
- Non-compliance Testing
- Remote Control
- Offline Strategy
- Virtual Devices

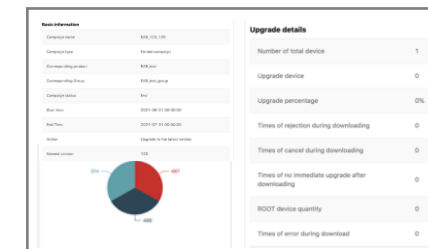
Customer Value

- **Simple integration solution:** Fast integration FOTA service for customer's smart products, products can have FOTA upgrade capability within a week.
- **Product full lifecycle service:** no upper limit on the amount of devices, dynamic expansion, providing customers with full lifecycle service from the development stage to the operation and maintenance stage.
- **Enterprise asset management:** tools for enterprises to deploy mobile applications and manage assets.
- **Globalized service:** stable download speeds for customers worldwide.
- **Access security:** Addressing security and accessibility needs in enterprise-class environments.

Application Scenarios



Device Upgrade
Diagnosis

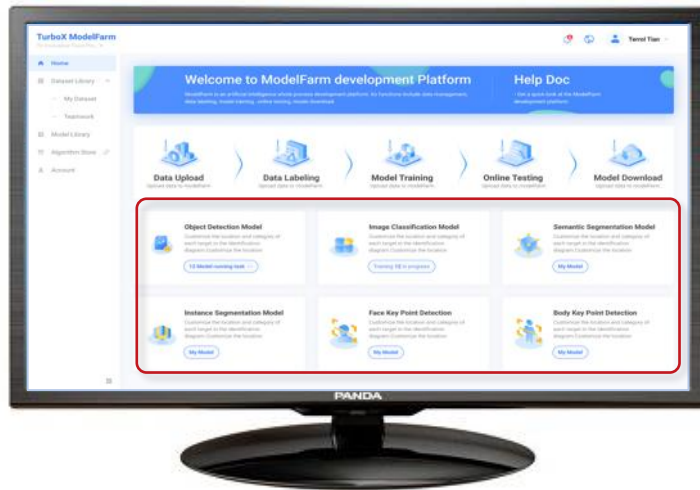


Analysis of User
Upgrade Behavior

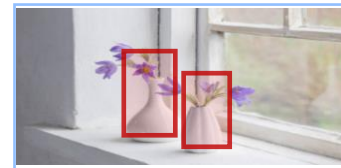
App icon	App name	Package	Version	OS	Status	More operations
[Icon]	Thunder	com.th...	8.00	Android	Released	[Icon]
[Icon]	MyApp	com.app...	1	Android	Released	[Icon]
[Icon]	Control	com.app...	1.0	Android	Released	[Icon]
[Icon]	GPS Test	com.app...	1.0	Android	Released	[Icon]

APP Store

AI Tools - ModelFarm



Algorithm Types



Object Detection

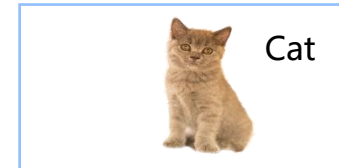


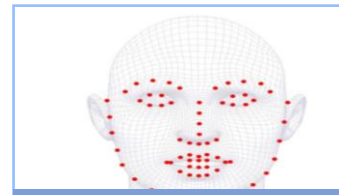
Image Classification



Semantic Segmentation



Instance Segmentation



Face Key Point



Body Key Point

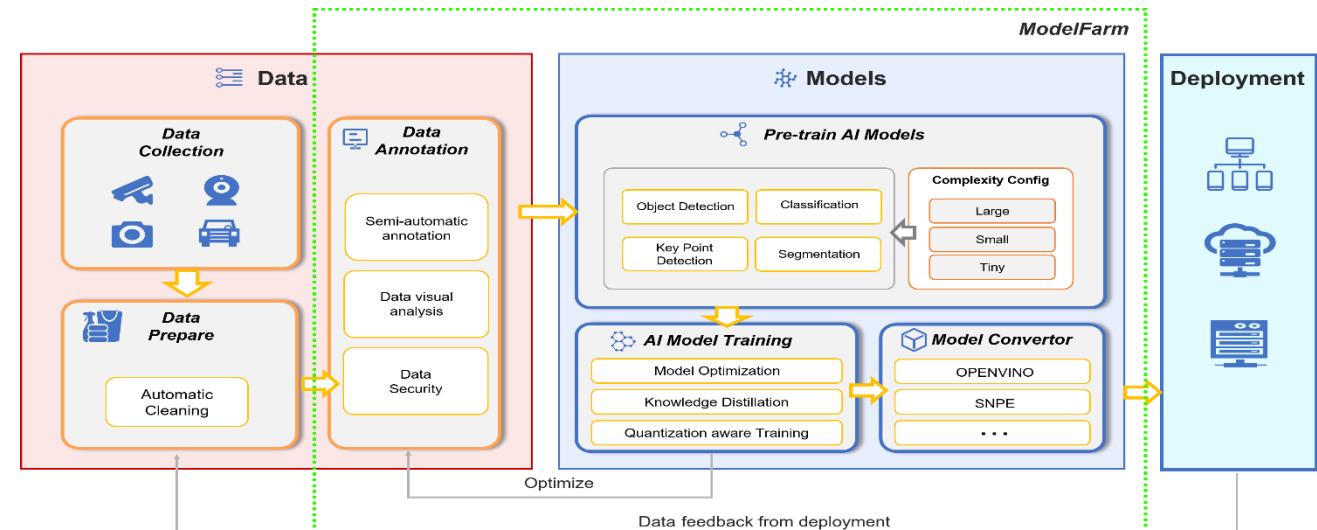
Introduction

ModelFarm is a **low code device AI development platform** with **low threshold** (full UI operation), **low data requirements** (enriching pre training models), **high efficiency** (semi-automatic labeling), **high performance** (model pruning and compression), and **high precision** (Quantization Aware Training, Knowledge Distillation).

Advantages

- Easy to use, low threshold
- Small sample training data
- Pruning distillation, low computational power
- Quantization aware training, less precision drop points

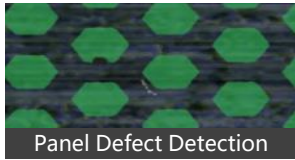
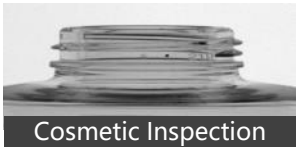
Workflow



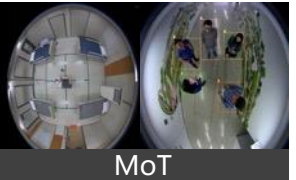
AI Algorithms

Application Area

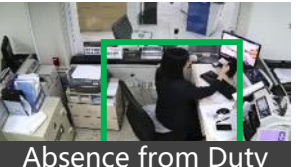
Defects Inspection



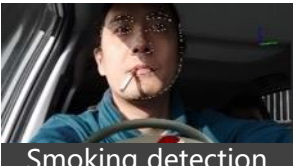
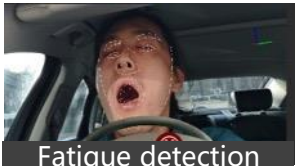
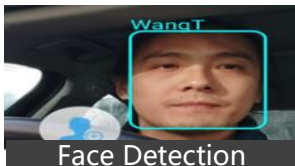
People Tracking



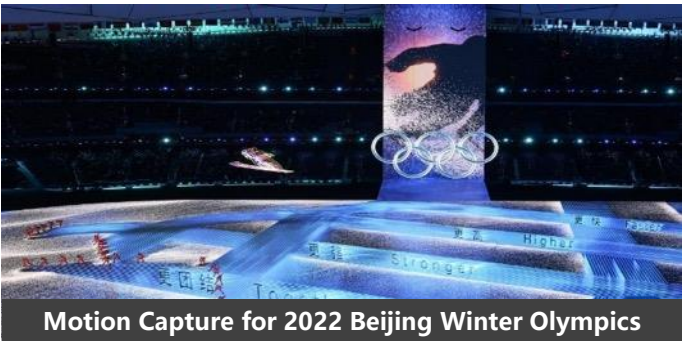
Safety Factory



DMS



Successful Cases



Smart Device Solutions



5G Portfolio

Cellular& Smart Modules



T55G



T55M (mmWave)



CT4350/6490



T62G/T65G (R16)



T62M/T65M (R16)

Development Kits



T55 mmW Box



T55 DevKit



T55 Dev. Kit Pro
(IPQ8074A)



T62 Dev. Kit

Devices & Reference Design



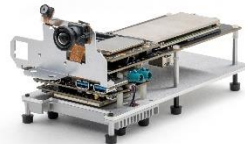
5G Edge Box



CPE

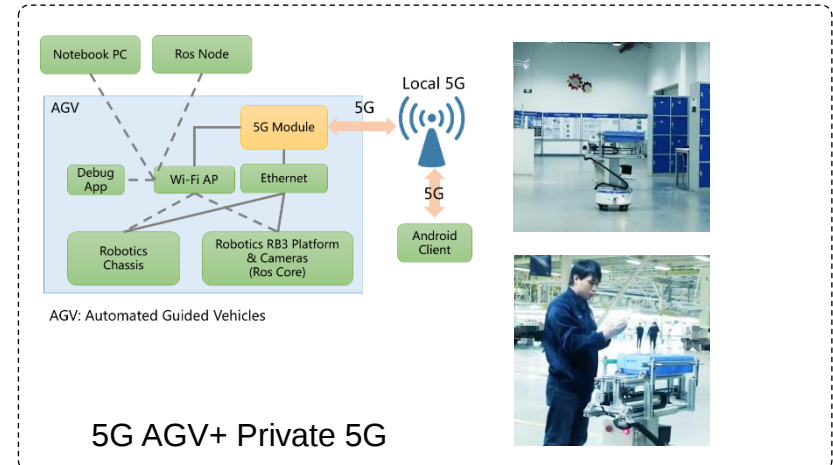
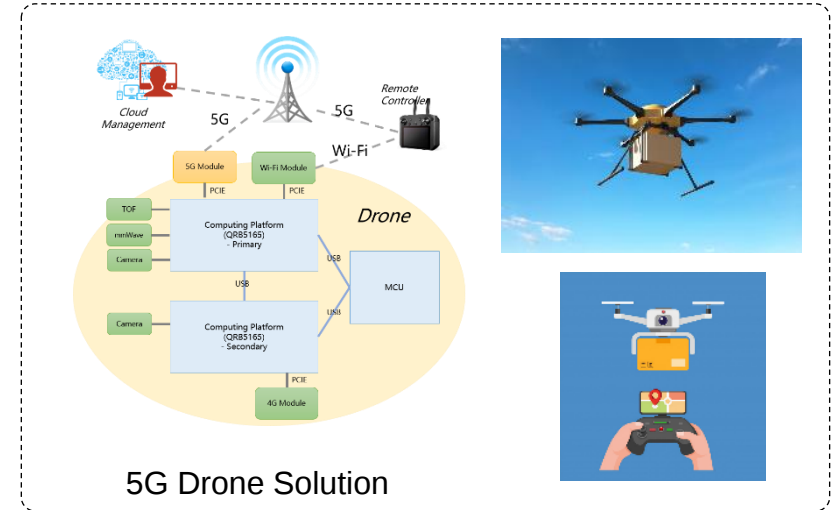


RB5+5G



RB6+5G

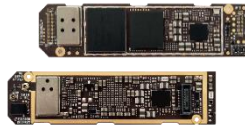
Solutions



XR Solution

SOM + OS + Algorithms

- ✓ XR1
- ✓ XR2
- ✓ CM4100
- ✓ CM5100



Key Features

- 6DOF Head tracking, drifting < 0.1%
- Tailor & Optimized Android OS
- Low latency rendering
- Launcher & key apps and Fast Boot
- Noise Cancellation
- Low latency Camera See-through
- Qualcomm XR SDK support
- Optical tuning/IPD tuning, Distortion < 3%
- Gesture and voice CMD

Applications

VR



All-in-one
VR

AR



Enterprise
AR Glass



All-in-one
AR Glass

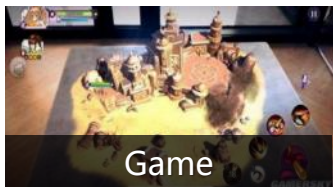


Tethered
AR Box

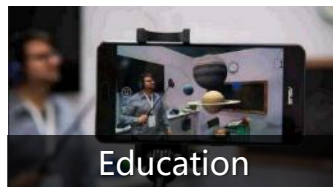


Light Weight
AR Glass

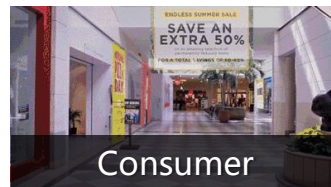
Typical Scenarios



Game



Education



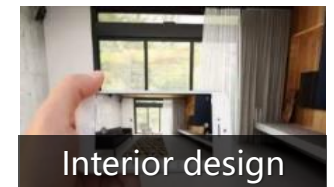
Consumer



Industry

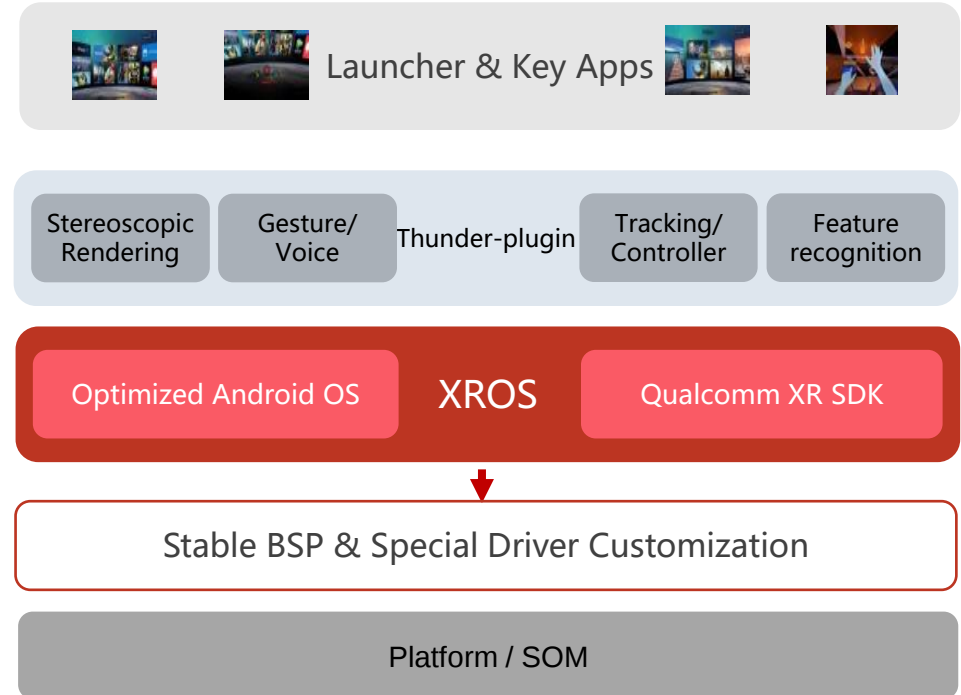


Medical



Interior design

Architecture Overview



Wearable Solution

SOM + OS + Algorithms

- ✓ CM2500
- ✓ CM4100
- ✓ CM5100



Key Features

- Optimized and fully customizable Wear SW Pack based on Android
- LTE embedded
- Sports track an HR sensor embedded.
- Extra low Power consumption

Applications



Kids Watch



Sports / Fashion Watch



Wearable Cam



Wearable Player

Wear SW Package



Solution Overview

Cloud Services
- IOT Harbor

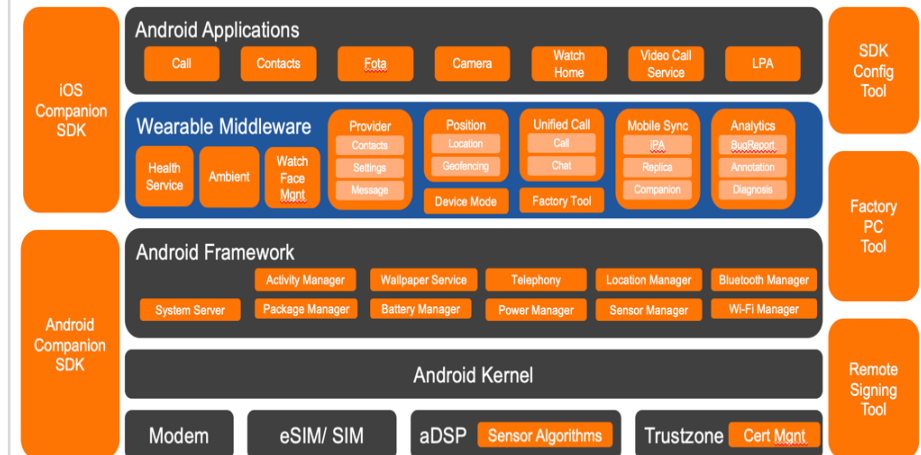
Application
Management

Rule
Engine

FOTA
Upgrade

Device
Management

Wear Software Pack



Mechanical / Device Design

Platform / SOM

Robotic Solution

SOM + OS + Algorithms

- ✓ C404/C405
- ✓ C2210
- ✓ C4210
- ✓ C610
- ✓ D845
- ✓ C5165



Applications



AMR



Enterprise Cleaner



Vacuum Cleaner



Food Delivery



Service Robot



Autonomous Delivery



Drone



Cooperative Robot



Home Assistant



Accompany

Robotics Reference Designs

RB5  • QRB5165 Application • AMR • Services Robot • Enterprise Robot	RB6  • QRB5165+AIC100 Application • Autonomous Delivery • Enterprise Robot
RB3  • D845 Application • Services Robot • Enterprise Robot	AI RVC  • C404/405 Application • Cleaning robot
RB1  • QRB2210 Application • Cleaning robot • Toy robot	RB2  • QRB4210 Application • Cleaning robot • Entry level services robot

Architecture Overview

Algorithm Integration

Deep Learning	Obstacle Avoidance	Sensor Fusion
	Path Planning	SLAM

Middleware/SDK



Robotic Perception & Camera Pipeline
SerDes EIS IQ Tuning Synchronization Camera Currency

Fact CV	Snapdragon Neural Processing Engine SDK for AI	GStreamer
Hexagon SDK		OpenGL ES

OS	ubuntu®	Linux EMBEDDED	android
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HW – SOM and Module



SOM



Single Board



Control Box

Peripheral Sensors



Integrated Sensor



Depth Cam



Lidar

Smart Camera Solution

SOM + OS + Algorithms

- ✓ C626 SOM
- ✓ S605/S603
- ✓ C610/C410
- ✓ C6125
- ✓ C6490
- ✓ D845 SOM
- ✓ C8250



Key Features

Edge Computing

- Video Analyze on Devices
- People Count / Face Recognition / People/Object Tracking / Defect Recognition
- Computing on Devices

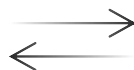
Variant Functions

- 360° On-Device Stitching
- Surround View / Depth Camera
- 4K / 8K
- HDR, WDR, EIS
- 3A customization
- UC App Integration & Certification Support

Applications

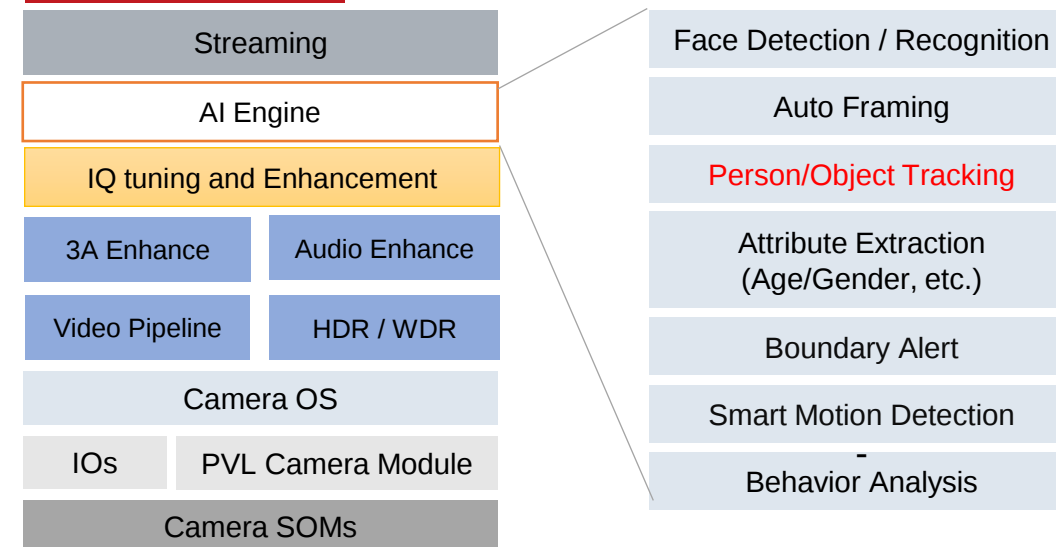
- Video Conference Device
- IP Camera
- Business Intelligent Camera
- Vlog Camera
- Edge Box (Smart NVR)
- Dash Camera

IQ Tuning



Thundercomm Confidential

Solution Overview



Cloud Solutions

FOTA/MDM/Data Analysis
SaaS Deployment



UC Certification

Technical Support on
global UC certifications
i.e. MSFT Teams, Tencent,
DingDing, etc..

Smart Speaker/Display Solution

SOM + OS + Algorithms

- ✓ C403
- ✓ C404
- ✓ C405



Key Features

- Powerful audio codec and
- 2 x 2 Wi-Fi Support
- Enhancement audio performance, Dolby Atmos Enable
- Support All-pay, / google cast
- 3rd party content enabled

Applications



Hi-Fi Speaker



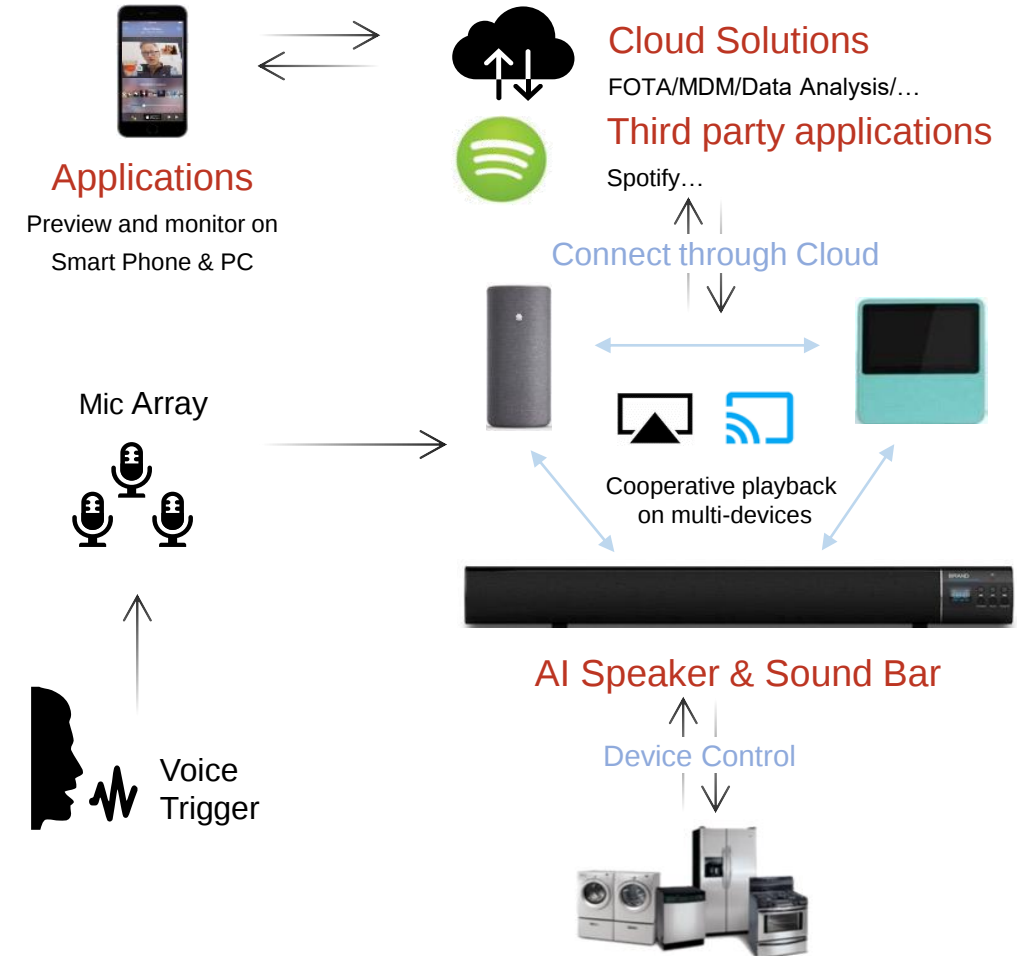
Sound Bar



Smart Speaker



Solution Overview



Smart Handheld Solution

SOM + OS + Algorithms

- ✓ D660
- ✓ C2290/CM2290
- ✓ C6125/CM6125
- ✓ C4290/CM4290
- ✓ C6490/CT6490
- ✓ C8250



Applications



POS



Cashier



Self
Checkout



Handheld



FacePay



Vending Machine



Digital Signage



Key Features

IHH / Rugged Devices

- Dual battery and hot swapping
- Camera and Scanner tuning
- Waterproof and explosion-proof
- High thermal performance

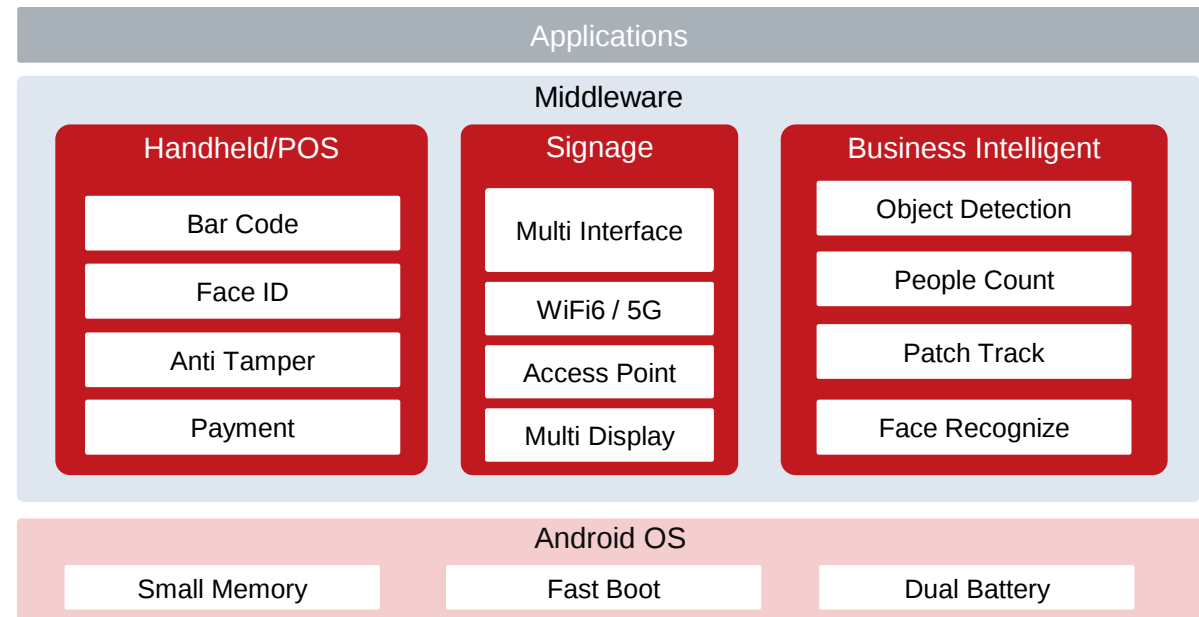
Payment / POS

- Dual display, dual content
- Face ID
- Security

Digital Signage

- Big screen support
- Waterproof and explosion-proof
- High thermal performance

SW Customization Offering



ARM Server Solution

SOM + OS + Algorithms

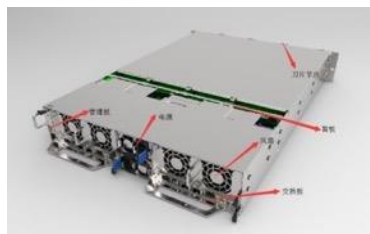
- ✓ C6125
- ✓ C7230
- ✓ C8250



Key Features

- Android Virtualization
- Remote Recover
- Low Latency Video Encoding & Decoding
- Cloud Storage
- Remote Camera/Mic/Input

Products



2U ARM Array

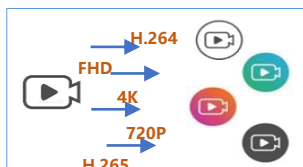


ARM Server Card

Applications



Playable Advertisement



Transcoding



Cloud Phone

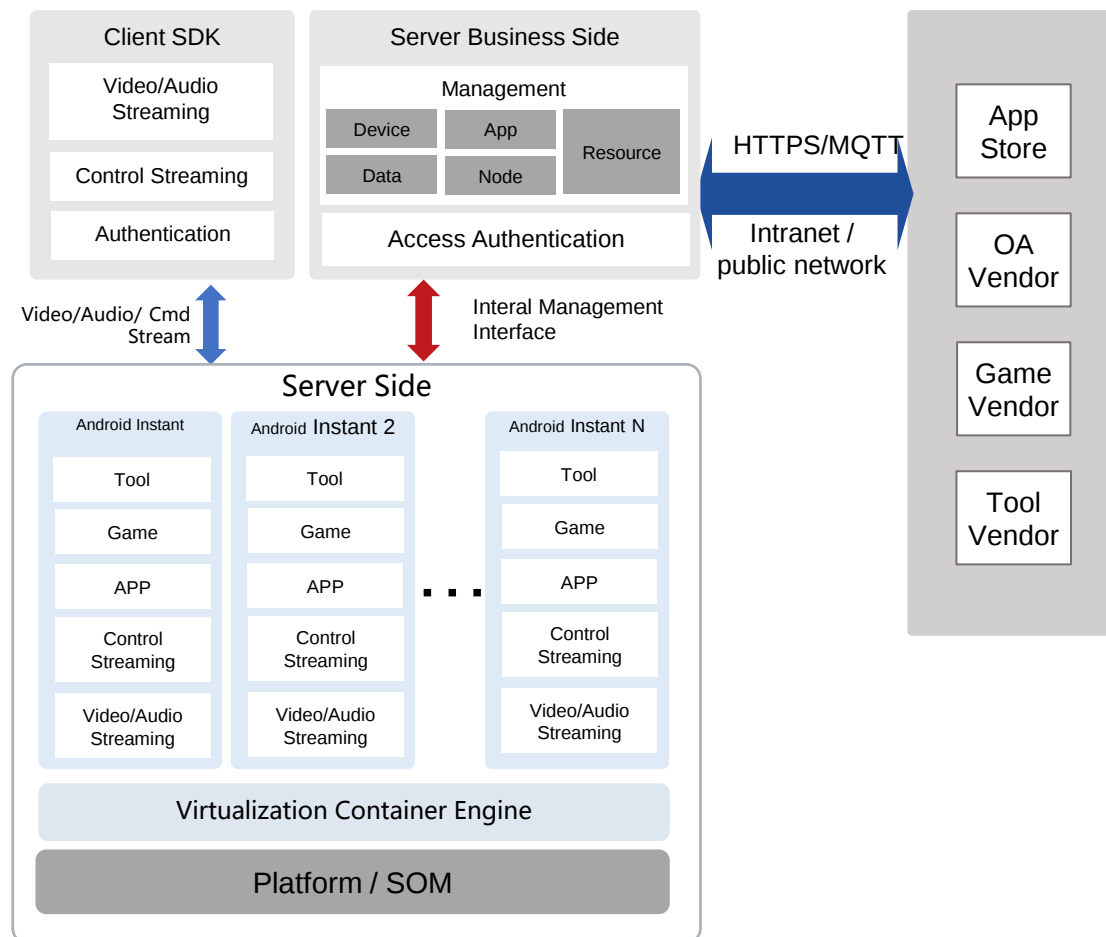


Cloud Gaming



Cloud Testing

Solution Overview



Auto IoT Device

SOM + OS + Algorithms

- ✓ C4290
- ✓ C6125
- ✓ C6490
- ✓ C8250



Key Features

CarLog Camera

- Camera AI (HDR,EIS,MFNR, AI Blur ...)
- Realtime scaling and stitching
- Super Resolution
- High thermal performance
- Edge-cutting camera performance

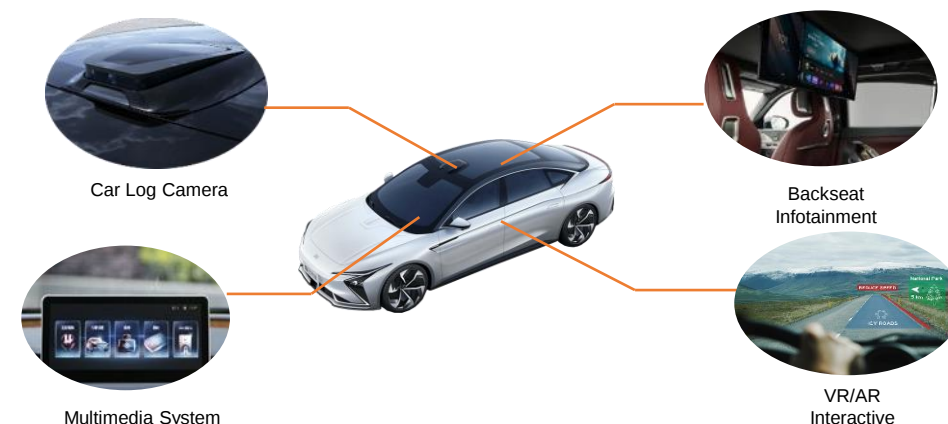
VR/AR Interactive

- High performance devices
- New interactive experience: movie, gaming etc.

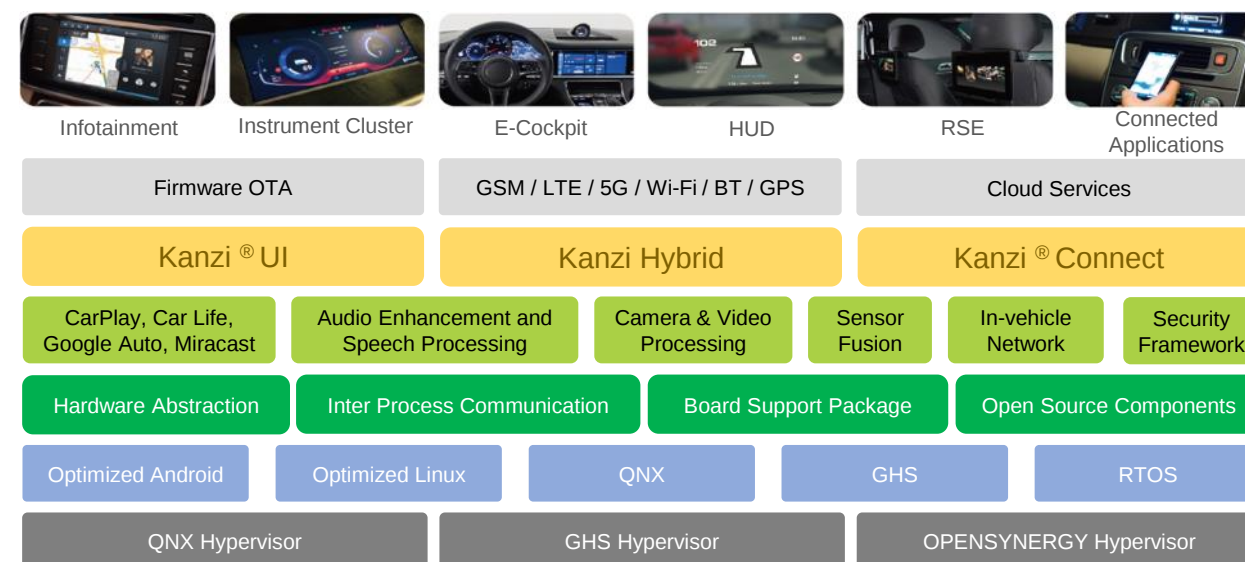
Infotainment and Multimedia

- Fancy UI/UX
- High resolution and large screen support
- Multi screen interactive
- High reliable HW and thermal performance

Applications



Solution Overview



Smart Industry Solutions

Edge Products

Edge Box Products



EB2/EB2S

Linux / Android
1.7 TOPs
6 FHD decode



EB5/EB5S

Linux / Android
15 TOPs
24 FHD decode



EB6 NEW

Linux
70 TOPs
24 FHD decode

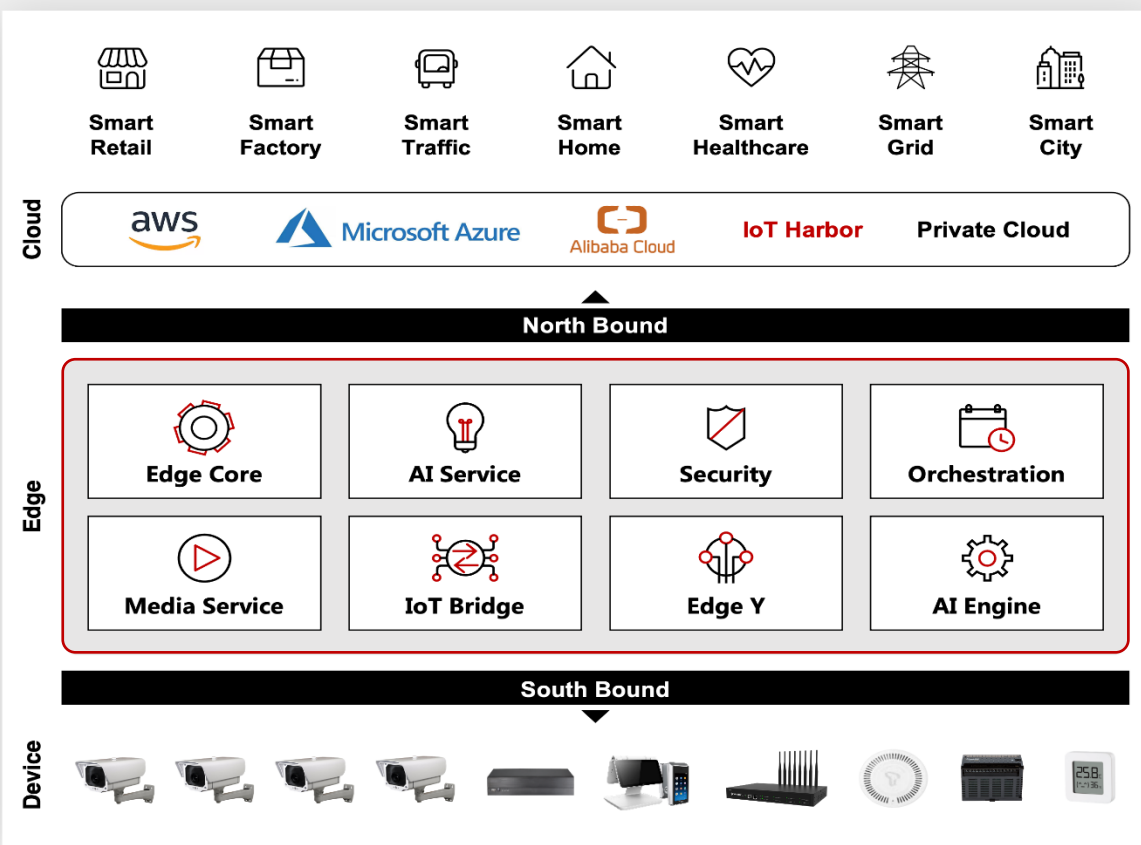


EB7

Linux / Android
48 TOPs
24 FHD decode

Software Features

- Flexible, configuration-based pipeline
- Stream engine support cascaded inferencing
- Enhanced Rule Engine
- Video slices
- Algorithm management
- Video quality detection
- Search image by image
- Video storage, slice and forward



E2E Industry Solution

Solution



Smart Home



Smart Building



Smart Manufactory



Smart Retail



Smart Traffic



Green Energy

Cloud



Algorithm Store



IoT Harbor



ModelFarm



Video Management

Edge OS

OSWare



Edge Core



Media Service



AI Service



IoT Bridge



Security



Edge Y



Orchestration



AI Engine

Edge Devices



EB2

Linux / Android
1.7TOPS
6 FHD decode



EB3

Linux / Android
3TOPS
8 FHD decode



EB5

Linux / Android
15 TOPS
24 FHD decode



EB6

Linux
70 TOPS
24 FHD decode

IoT Devices



SDC



SDC



IPC



Wearable



Access Control



Speaker



PLC



Lidar



ultrasound machine

AI Algorithms Roadmap

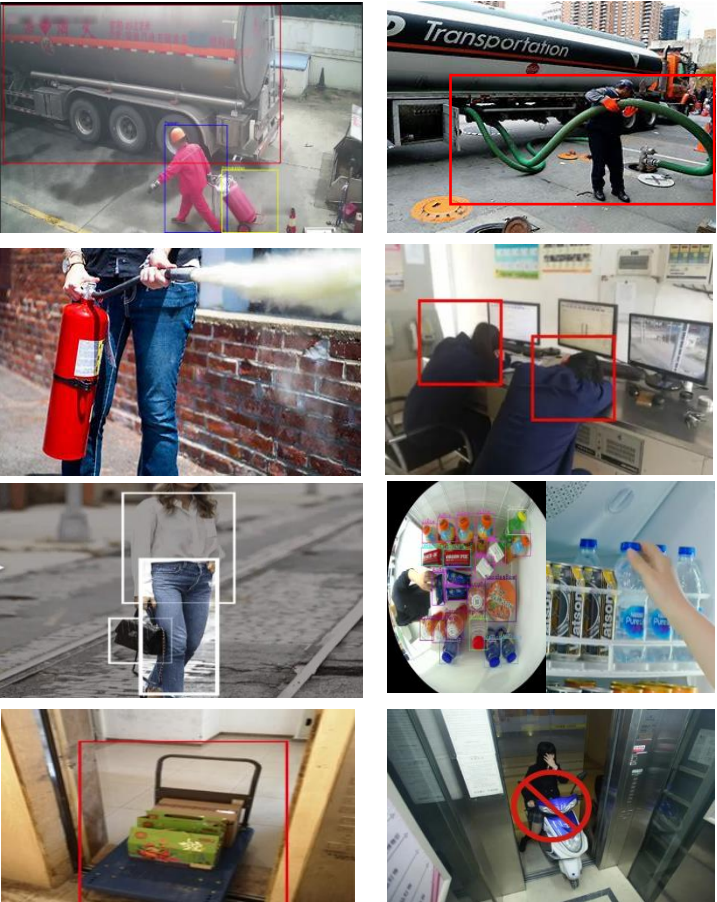
Existing

- Solution: production safety, construction safety, smart city, smart kitchen
- 100+ Algorithms: Object detection, behavior analysis, environment monitoring



2023 Q1-Q2

- 150+ Algorithms
- New solutions: gas station safety, smart retail, smart elevators



2023 Q3-Q4

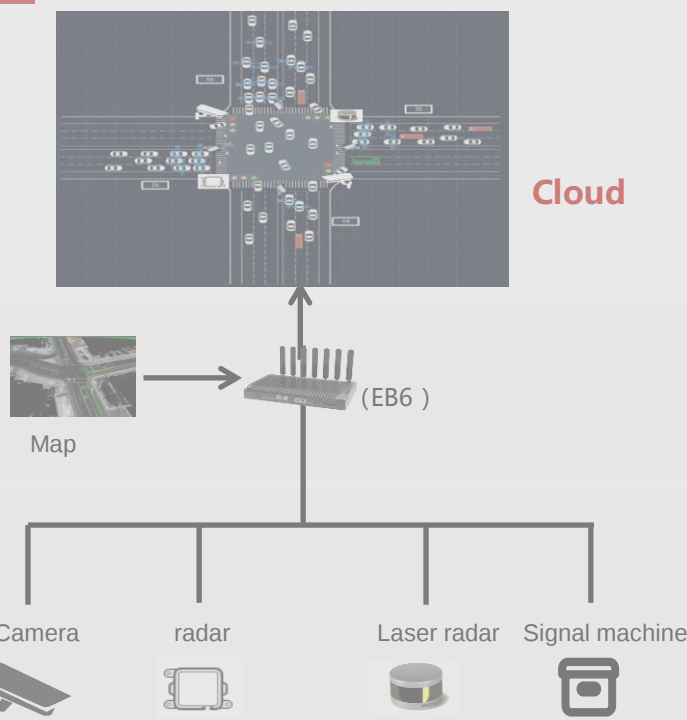
- 200+ Algorithms
- New solutions: Smart Energy



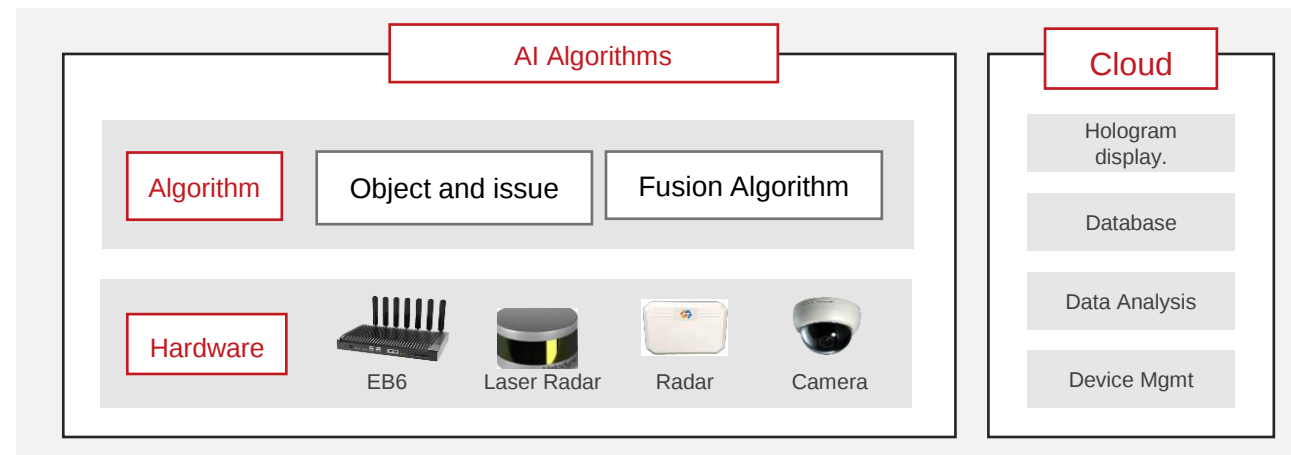
V2X Solution (Hologram Intersection)

Total solution for Hologram intersection. On road side, supplies transportation object and issue recognition algorithms running on EB6, and on cloud side, supplies hologram intersection display

Topology



Our Offerings



Scenarios



Successful cases

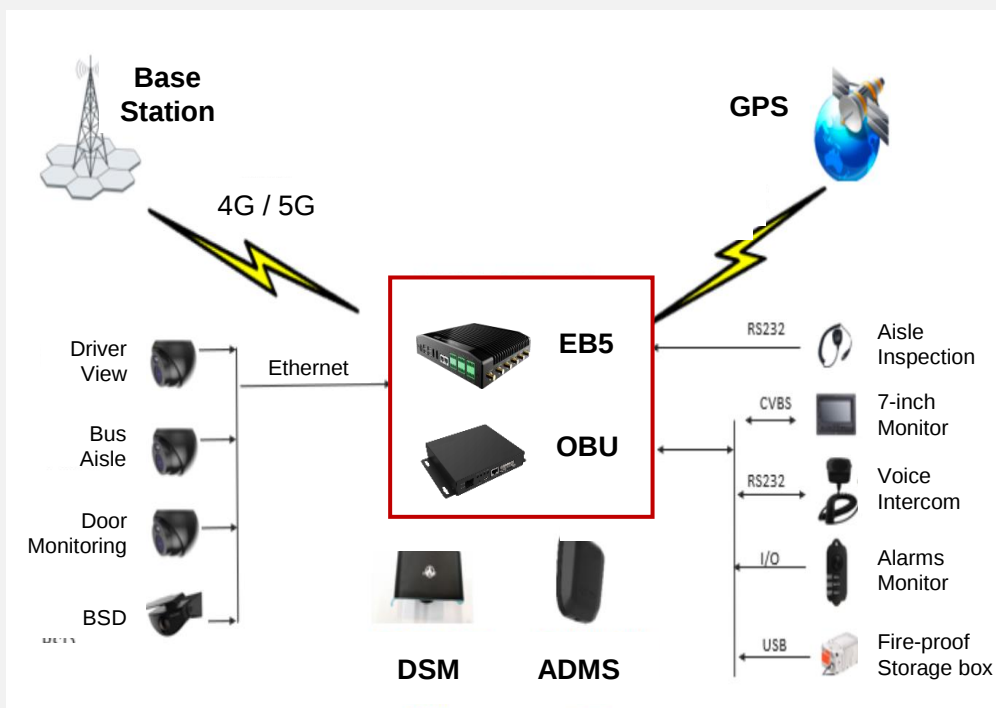


V2X Solution- (Smart Vehicle)

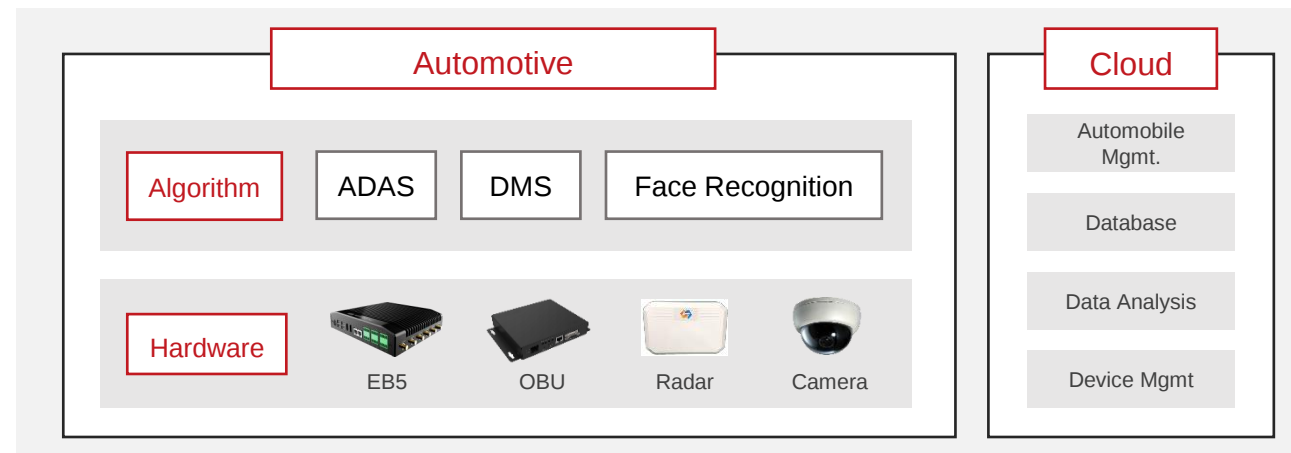
Total solution for operating automotive Intelligent remoulding to make the driving safer and more efficient.

On automobile side, supplies ADAS and DMS algorithms running on EB5 , and on cloud side, supplies automobiles and drivers status monitoring and analysis

Topology



Our Offerings



Scenarios



Successful cases

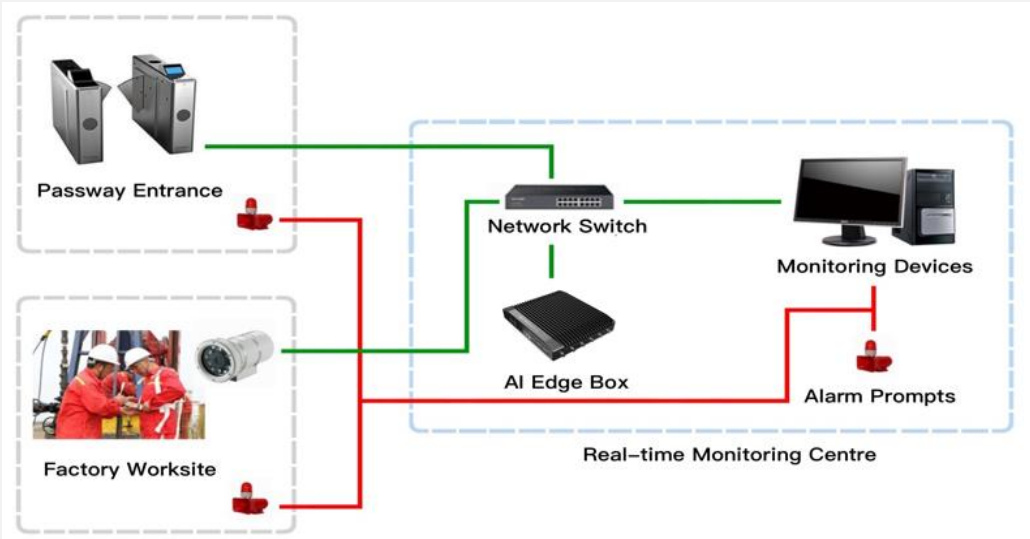


Factory Safety Operation Solution

Total solution for factory safety operation by AI analysis, alarm and video slice will be sent to cloud side when an issue occurs.

The key functions are the rich and high-accuracy algorithms together with EB5 edge box, such as intrusion detection, absence detection, mask detection, flame detection, face recognition and so on.

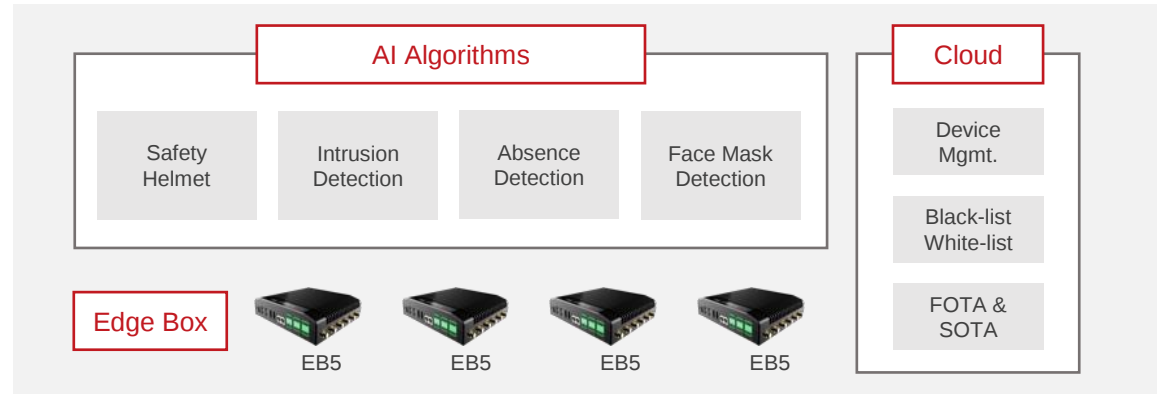
Topology



Successful cases



Our Offerings



Scenarios

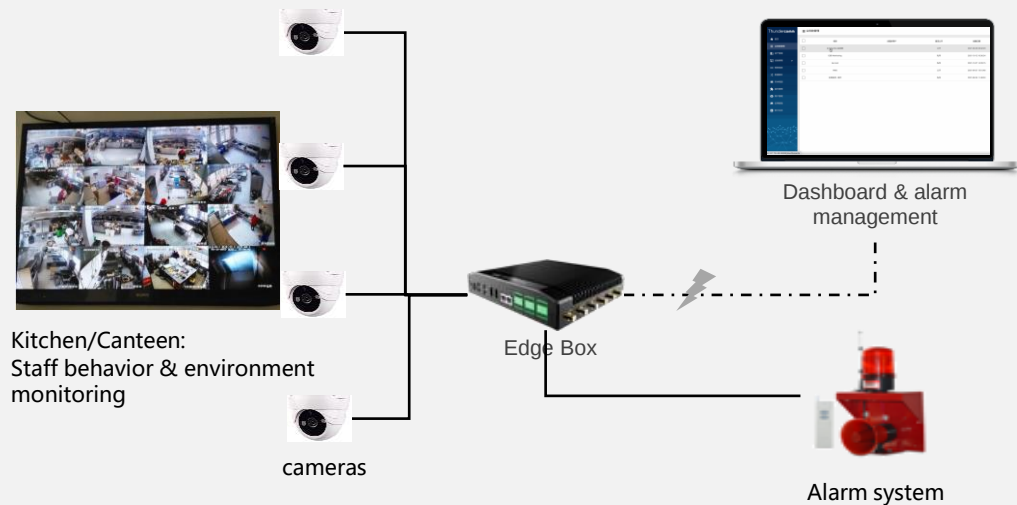


Bright Kitchen Solution ^{NEW}

Total solution for smart bright kitchen solution by AI analysis, alarm and video slice will be sent to cloud side when an issue occurs.

The key functions are the rich and high-accuracy algorithms together with EB5 edge box, such as face mask wearing detection , chef hat and uniform warning monitoring, smoking detection, trashcan status monitoring, face recognition and so on.

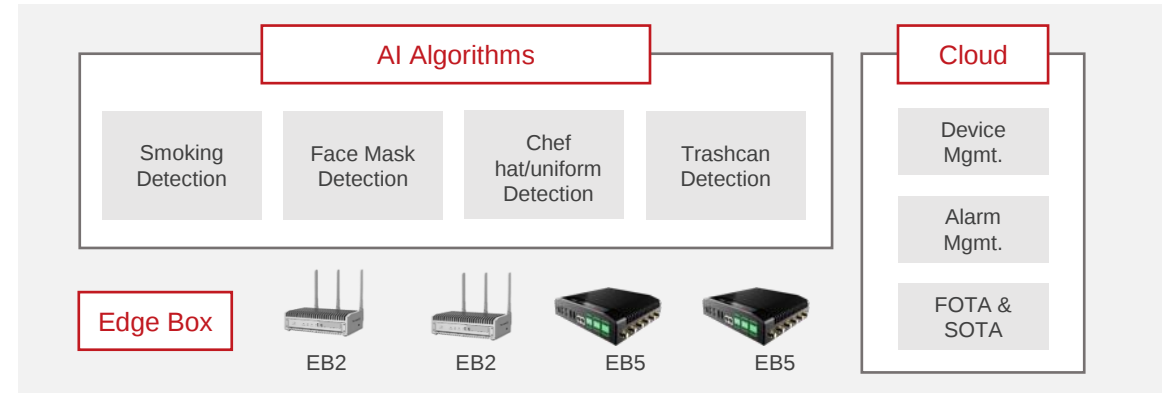
Topology



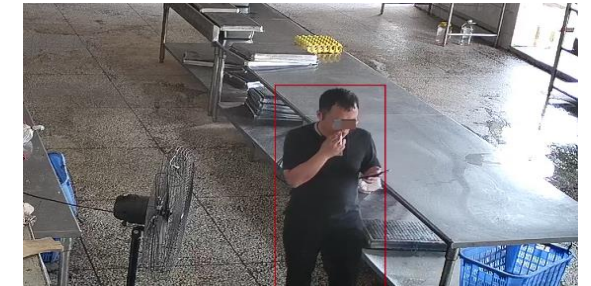
Successful cases



Our Offerings



Scenarios



Smart BTS for Carriers

NEW

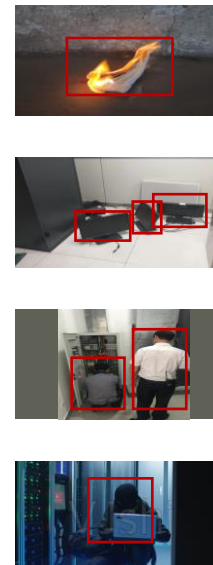
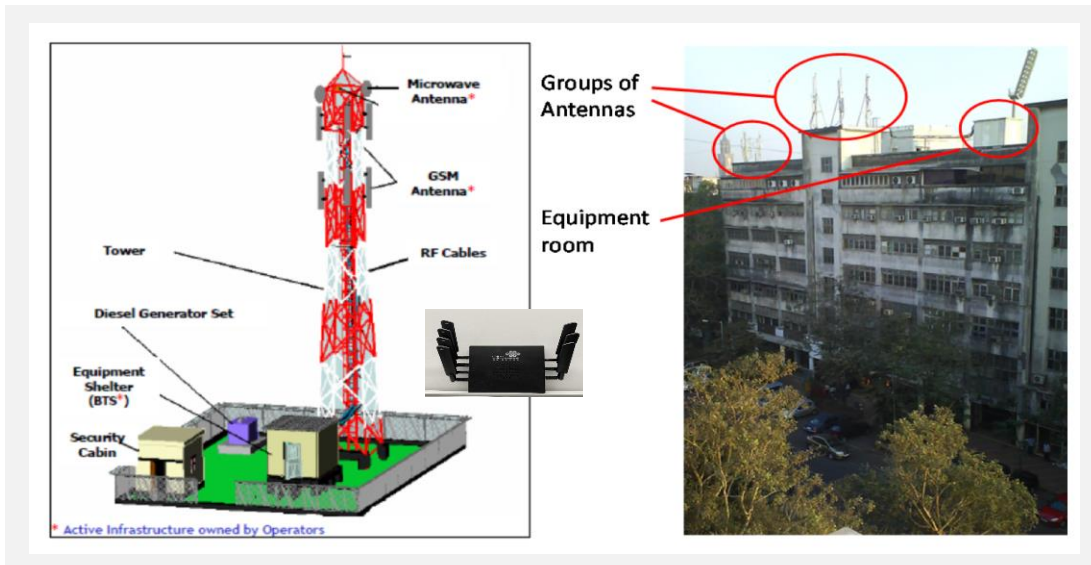
Background

A base transceiver station (BTS) is a piece of equipment that facilitates wireless communication between a user equipment and a network, such as GSM, CDMA, wireless local loop, Wi-Fi, WiMAX, WAN or so on. User equipment are devices like mobile phones, WLL phones, computers with wireless Internet connectivity, or antennas mounted on building towers.

Our Offerings

Smart BTS (Base Transceiver Station) Solution for carriers provide EB2 for edge computing device, to analysis the data including face recognition terminal, temperature sensors and IP cameras.

The alarms and video slices will be sent to the cloud when an issue occurs. The key functions are the rich and high-accuracy algorithms together with EB2 edge box, such as face recognition, flame detection, intrusion detection, people counting and so on.



Topology

Alarm Management



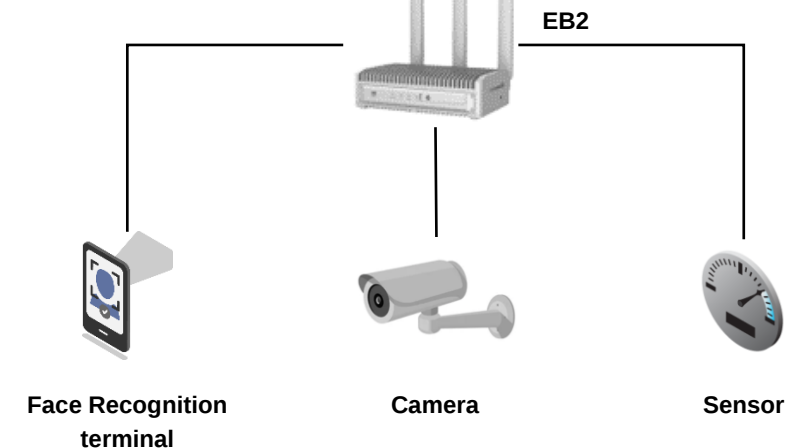
IOC



APP Alarms



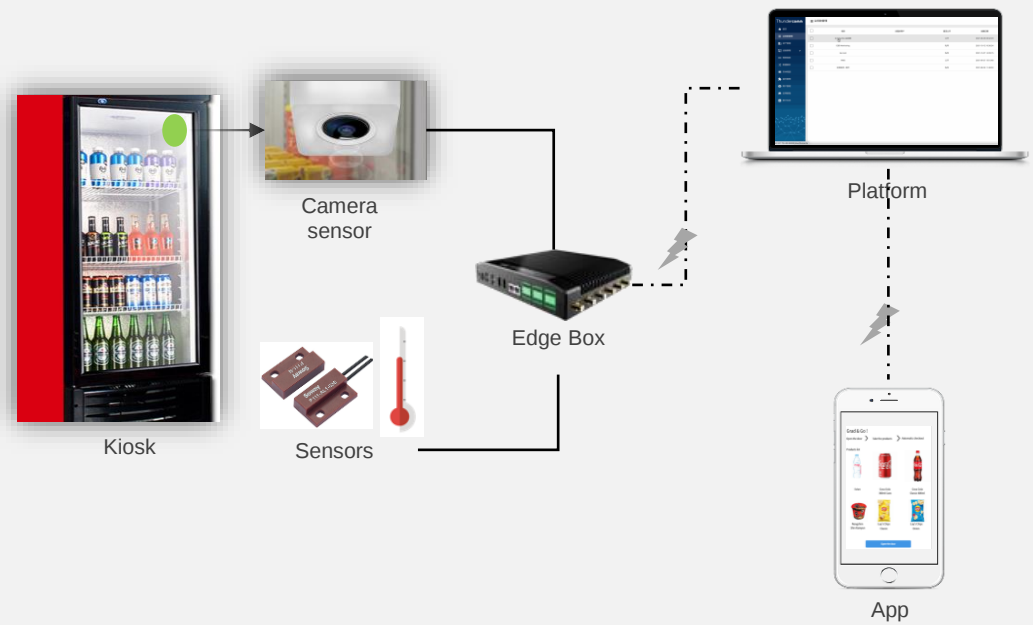
IoT Harbor



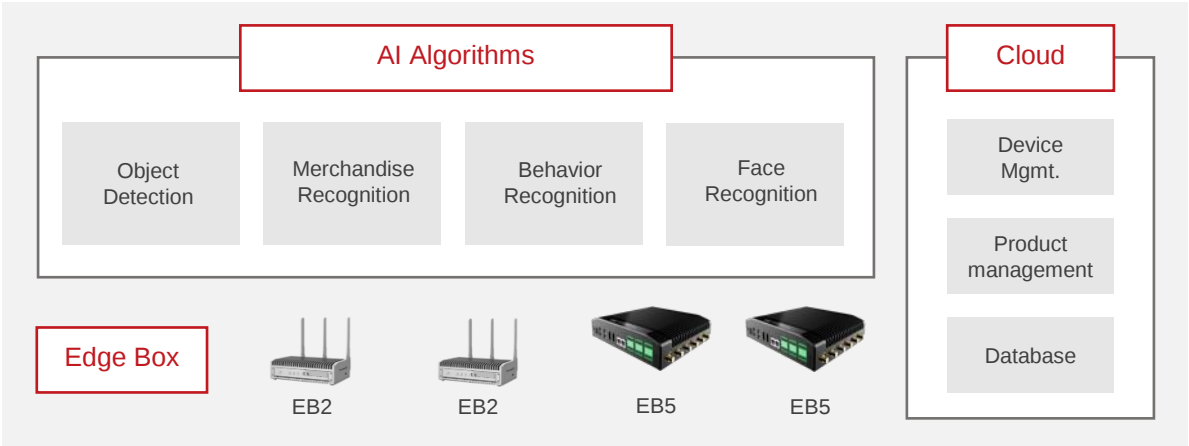
Smart Retail Solution NEW

We provide both hardware(EdgeBox) and software(Algorithm and management platform) together to SI vendors, who can analyze the customers behavior, recognize products through with computer vision and dynamic recognition technologies, enable a convenient grab-and-go shopping experience, and help retailers achieve efficient management and targeted marketing.

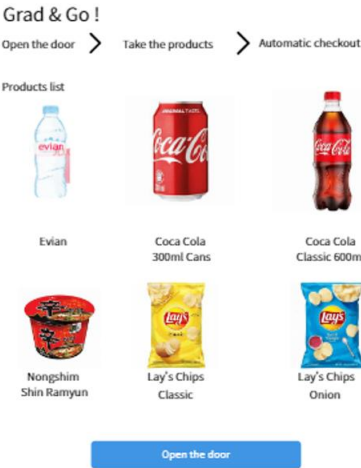
Topology



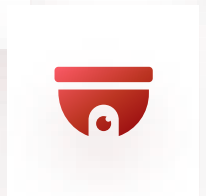
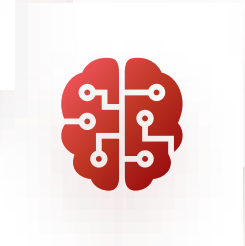
Our Offerings



Scenarios



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