

# +AI Powers Intelligent Enterprises

+AI的产品创新，加速企业智能化进程

AI Technology

0D: Point 点

AI Applications

1D: Line 线

Industry AI

2D: Plane 面

Intelligent Society

3D: Matrix 体

AI computing power consumption  
doubles every 3.5 months

每3.5个月，AI所用算力提升1倍

1

# Computing Power Is Opening Up the AI Future

## 算力开启AI未来

### Software 2.0

Crowd workers



Training set labels

Expert knowledge



Heuristics



- Incorrect label
- No label
- Correct label
- ML model

Test set labels





**New Product Announcement**

**新产品发布**

# Atlas

## Intelligent Computing Platform 智能计算平台



**Atlas 200**

AI Acceleration Module  
AI加速模块



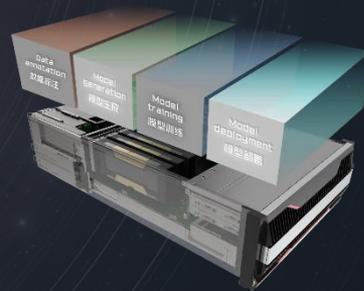
**Atlas 300**

AI Acceleration Card  
AI加速卡



**Atlas 500**

AI Edge Station  
智能小站



**Atlas 800**

AI Appliance  
AI一体机

# Atlas 200



16 TOPS | 8-13.8W  
8 GB/16 GB memory | PCIe 3.0 x 4  
USB3.0/2.0 | -25°C to +80°C  
Size: 52 x 38 x 10.2 mm  
Early access: Nov 2018  
Available: Feb 2019

30→ 100→200  
Faces/frame



## Huawei SDC

Software-defined AI Camera  
Multiple algorithms running in parallel

Pixel-level image segmentation+ Facial recognition + Gesture recognition + Vehicle recognition



The people in the videos are Huawei employees 视频人物为华为员工扮演



# Atlas 300

64 TOPS | 75W

32 GB | 204.8 GB/s memory bandwidth

Early access: Nov 2018

Available: Feb 2019

Multi-mode, multi-location, multi-lesion detection

多模态、多部位、多病灶检测

**50x** ↑ Computing Power  
算力需求提升

Single-mode (CT/PET/MRI), single-location (chest and abdomen), single-lesion detection

单模态 (CT/PET/核磁)、单部位 (胸腹)、单病灶 (一个病症) 检测



Demo picture 演示图片

# CloudLink intelligent meeting room

智能会议室

Powered by Atlas



## People-2-machine: Intelligent interaction

Natural voice control | Meeting summary

人与机器智能交互：自然语言控制 | 会议摘要生成

## People-2-people: AI-assisted communication

E-nameplates | Real-time subtitles

Multi-language translation

人与人通过AI辅助交流：电子铭牌 | 实时字幕 | 多语言翻译

## People-2-environment: Proactive intelligent services

Facial sign-in | Speaker tracking

Environmental noise canceling

环境场景智能服务于人：人脸唤醒与签到 | 发言人跟踪智能环境降噪

# Leading Intelligent Edge Product 领先的智能边缘产品

## Atlas 500

16 TOPS@INT8 | 8T@FP16  
25-40W | 16x video decoder  
1x video encoder  
Fanless design | -40°C to +65°C  
Early access: Dec 2018  
Available: May 2019



Real time | Less bandwidth  
Data protection

实时 | 低带宽 | 隐私保护



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3D precise identification  
3D精准识别



Equipment inspection  
设备巡检



Pollution monitoring  
污染检测



Smart buildings  
智能楼宇



Traffic control  
交通疏导

Cloud

云



HUAWEI CLOUD

Intelligent Edge

智能边缘

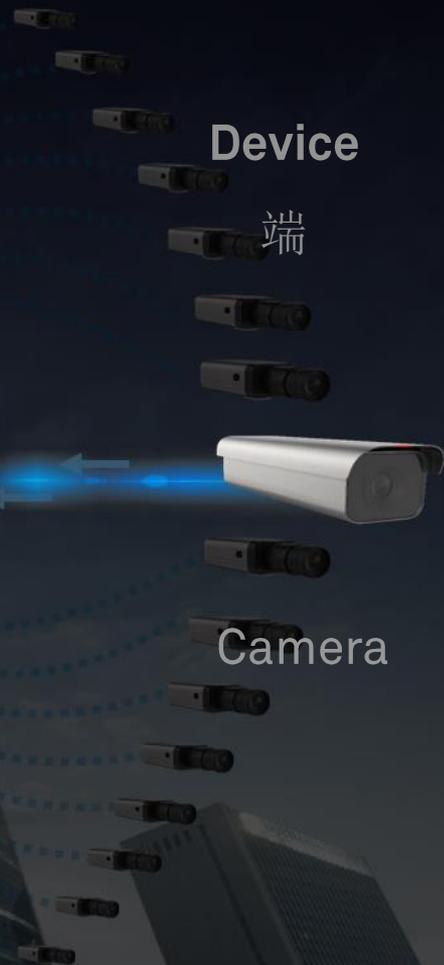


Atlas 500

Demo

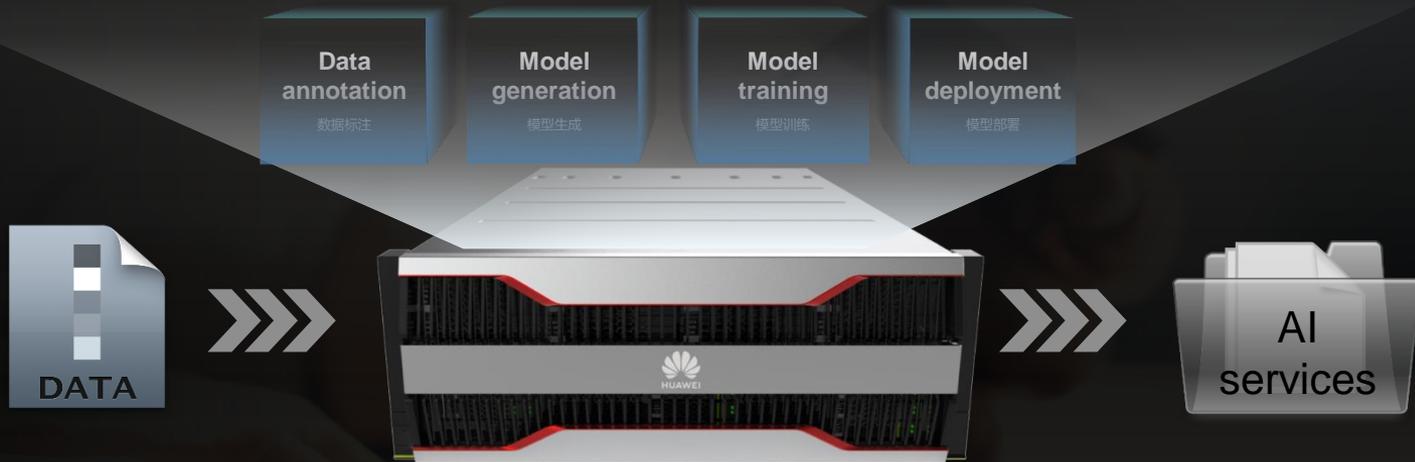
Device

端



Camera

# Atlas 800 AI Appliance AI一体机



Available now

50 → 1,200

Credit card applications reviewed daily by a single person  
单人每天信用卡申请审核量

2 hr

Service launch time  
业务上线时间

Pre-installed AI system for immediate use  
开箱即用

## 2

# AI Is Reshaping Driving AI改变驾驶

Freight-aaS  
运输即服务

Operation-aaS  
运营即服务

Mobile-aaS  
出行即服务

Data-aaS  
数据即服务

Everything as a service  
Everything connected  
Flexible infrastructure  
Autonomous driving

一切皆服务 | 万物可互联  
柔性基础设施 | 自动驾驶

Vehicle-aaS  
车辆即服务

Ride-aaS  
乘坐即服务

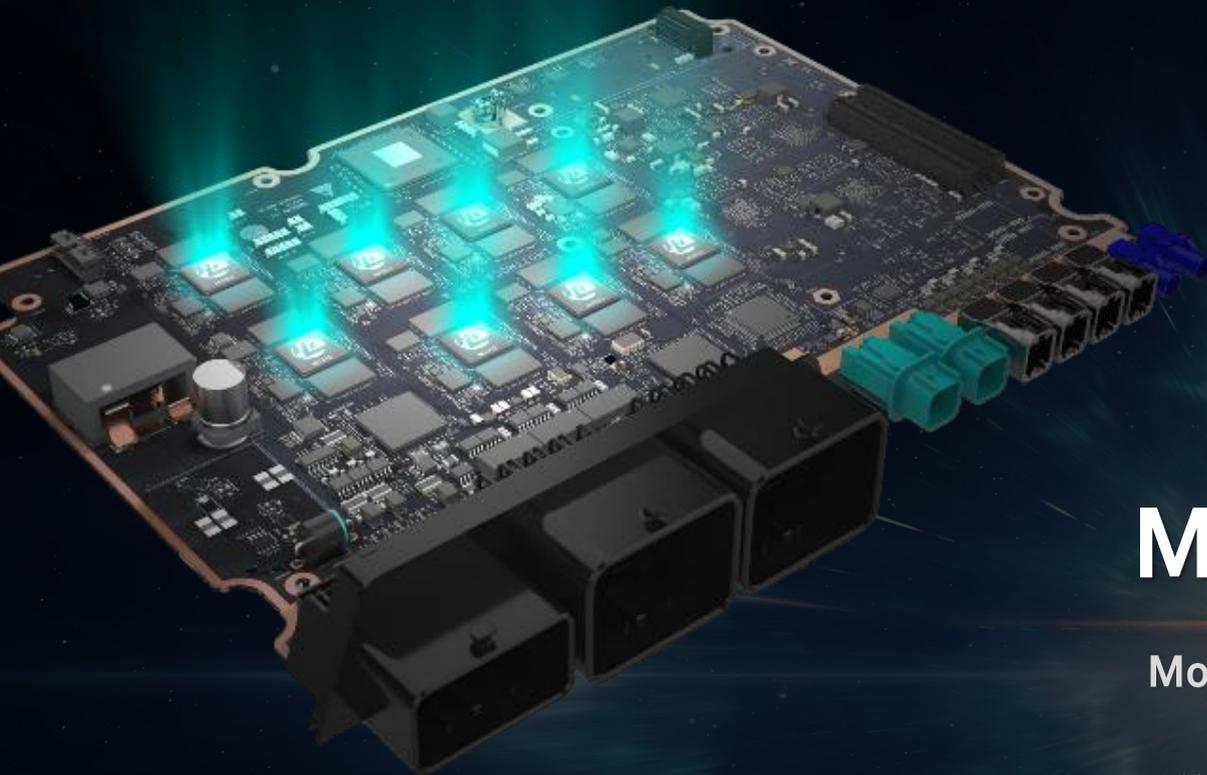
Infrastructure-aaS  
基础设施即服务

Road-aaS  
道路即服务

# New Product Announcement

新产品发布





# MDC 600

Mobile Data Center  
移动数据中心

Enable autonomous driving with AI  
+AI,使能自动驾驶



Intelligent government  
智慧政府



Intelligent policing  
智慧警务



Intelligent telecom  
智慧电信



Intelligent retail  
智慧零售



Intelligent cars  
智慧汽车



Intelligent transport  
智慧交通



Intelligent manufacturing  
智慧制造



Intelligent finance  
智慧金融

# Intelligent **IT** Inspires Digital Future

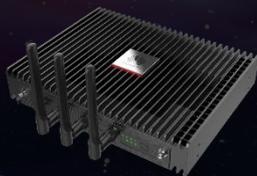
## 智IT, 慧未来



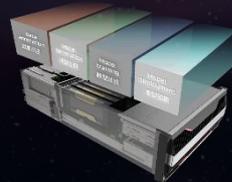
Atlas 200



Atlas 300



Atlas 500



Atlas 800



MDC 600