

Advantech in Perspective



ADVANTECH

Mission **Enabling an Intelligent Planet**

Revenue

USD \$2.31 Billion, YoY 10.6% (2022)

Market Cap

USD \$8.83 Billion (Jan., 2023)

Worldwide Employees

8,900

Service Field

Industry 4.0, Industry IoT,
Embedded Computing,
Smart City (Medical, Retail, Logistics)

Serve Worldwide IoT Solution Integrators



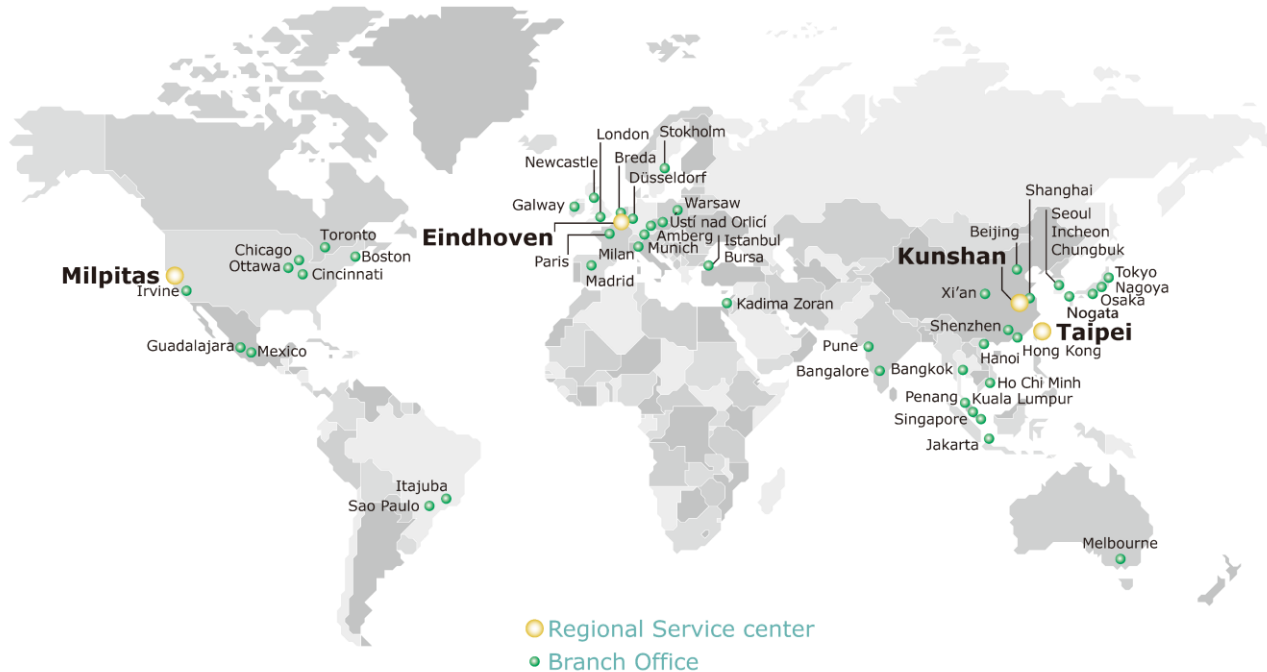
Worldwide Presence

3 Manufacturing Sites

4 Logistics Centers

21 Service Centers

27 Countries



Honors & Awards

- No.5 in Best Taiwan Global Brands
- No.38 in Nikkei Asia Top 300 Asia Companies
- 2022 Global Views Corporate Social Responsibility Awards
- No.17 in Top 50 Global Automation Vendors
- No.9 in Top 100 Industrial IoT Companies
- No.1 in Industrial PCs Worldwide Market Share
- Won Red Dot Product Design Award
- Won iF Product Design Award

Interbrand

NIKKEI
ASIAN REVIEW **Asia300**



CONTROL
PROMOTING EXCELLENCE IN PROCESS AUTOMATION



OMDIA



Advantech Industrial IoT Solution Architecture

<p>Focused Sectors</p>	 <p>iFactory</p>	 <p>Industrial Equipment Manufacturing</p>	 <p>Energy & Environment</p>	 <p>Transportation</p>		
<p>Edge computing</p>	 <p>Servers and IPCs</p>	 <p>Industrial Panel PCs</p>	 <p>Fanless Embedded PCs</p>	 <p>PC-based Controllers</p>	 <p>Domain-focused IPCs</p>	
<p>Industrial communication</p>	 <p>Industrial Ethernet Switches</p>	 <p>Protocol Gateways and Device Servers</p>	 <p>Fiber Optics and Media Converters</p>	 <p>Serial / USB Communications</p>	 <p>Cellular Routers & IoT Gateways</p>	 <p>Wireless AP/ Client</p>
<p>Edge Sensing</p>	 <p>Wireless I/O and Sensors</p>	 <p>Remote I/O</p>	 <p>High Speed I/O</p>	 <p>EtherCAT I/O Systems</p>	 <p>Gateways & RTUs</p>	



WISE-IoT

- WISE-iFactory
- WISE-iEMS
- WISE-Edge365

-  Cloud Service
-  WebAccess/ SCADA
-  WebAccess/ CNC
-  WebAccess/ DMP
-  EdgeLink
-  DeviceOn

- XNavi**
- AINavi
- VisionNavi
- HMINavi
- DAQNavi
- MotionNavi

Empowering Oil & Gas Solutions by Class I, Division 2 Certification

Upstream



Exploration & Production

- Oil Drilling Monitoring System

Midstream



Transport & Storage

- Oil Pipeline Monitoring
- Pump Station Monitoring System
- Tank Storage Monitoring

Downstream



Production Process & Usage

- Gas Compressor Control & Monitoring
- Fueling Station Management



Equipment Monitoring & Operational Management



Trouble-Free Connectivity & Data Communication



Real-Time Environmental Monitoring



Remote Diagnostics & Predictive Maintenance



Embedded Automation Computers



Panel PCs & Monitors



Industrial Communication



Remote I/O Modules



Serial / USB Communications

Intelligent Transportation System



Video Analysis



Multi-Case Services



Data Security



Data Management



Reliability



Sustainability



Wireless Gateways
and Routers



Blade System



Edge Controllers &
Data Acquisition



Edge AI



On-board Controllers



Industrial Switches

Enabling Smart Transportation for Sustainable Planet

Advantech Server Solutions

Advantech Advantage



Workload Optimized Performance & High Reliability



Product Longevity for Industrial Applications



Revision Control for Consistency and Efficiency



Flexibility on Customization to Meet Critical Needs

Application



AI Platform
Deep Learning and Inference



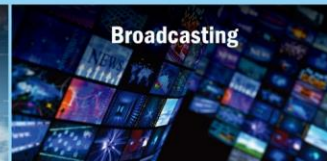
Industrial Equipment



Medical Equipment



IoT Private Cloud



Broadcasting

SKY Server



SKY-6000 Series
GPU Server



SKY-7000 Series
HPC Server



SKY-8000 Series
Short-Depth Server



SKY-9000 Series
Multi-node Server

Edge Accelerator Server



HPC-6120+ASMB-610
1U Edge Accelerator Server



HPC-6240+ASMB-622
2U Edge Accelerator Server



HPC-7420+ASMB-976
4U Edge Accelerator Server

ASMB Server Board



ASMB-200/500/700 Series
Workstation Server Board



ASMB-600 Series
Edge Accelerator Server Board



ASMB-800 Series
Mainstream Server Board



ASMB-900 Series
High-end Server Board

HPC Server Chassis



HPC-5000
Medical AI Image Rec. Workstation



HPC-6000 Series
Edge Accelerator Server Chassis



HPC-7000 Series
Industrial-grade Server Chassis



HPC-8000 Series
Industrial Storage Server Chassis

Accelerator



Advantech VEGA Card

Smart NIC
& DPU



Advantech Ethernet Adapters

ADVANTECH

Advanced Computer Vision

Vision Solutions

Video Solutions



Automated Manufacturing



Industrial



Medical



Pro AV

Frame Grabber & Capture Cards

SDVoE Compatible Appliances



Frame Grabber Cards



Capture Cards



4K Video Encoder



4K Video Extender



Software Support



Comprehensive Video Interface



Diversity Platform

Edge⁺ to the Future of AIoT

- Embedded IoT Mission
- Emerging Business Opportunities
- Embedded Design-in Platform Innovations
- Domain-focus Edge Intelligence System Innovations
- Edge+ Software & Services
- Embedded Design-in Services
- Industrial Peripherals & Software Distributions



Connecting Edge+ Platform to Industry & Emerging Sectors



Edge+

Embedded
BIOS/OS/API

Edge365/DeviceOn
Data & Device Mgmt.

Edge AI Developer Suite &
Machine Learning Services

OT/IT
Cybersecurity

Azure
Cloud Services



Embedded Modules & Boards



ROS2
AIM-Linux

Arm-based Computing



Edge AI Solutions



Embedded PCs & Edge Systems



Rugged/Signage/Gaming

Domain-focus Systems



Wireless ePaper



Wireless Solutions



Flash & Memory Solutions



Display Solutions



Software Distribution & Add-on Services

Grabbing AIoT Emerging Business Opportunities

5G Infrastructure



32% 

USD 98.57 Billion by 2030

PRECEDENCE
RESEARCH

Robotics



270% 

USD 110.7 Billion in 2026

STATISTICA

Autonomous Mobile Robots



\$18B AGV/AMR

by 2027 with an Installed Base of 2.4 Million Robots

RESEARCH AND MARKETS
THE WORLD'S LARGEST MARKET RESEARCH STORE

Green Energy



32%

Energy Consumption will be Renewable by 2030

iea

EV Charging Infrastructure

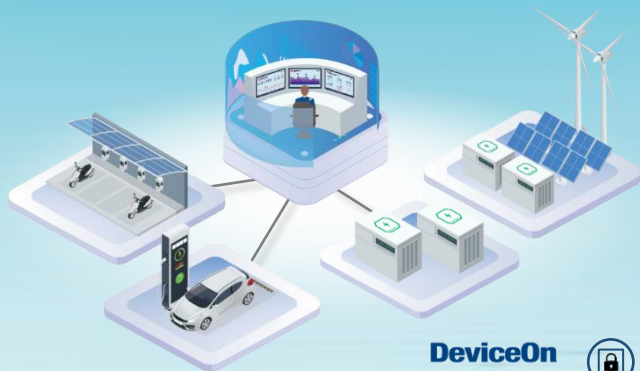


60%

of Vehicles Sold Globally will be Electrical

iea

Powering the Green Future of EV Infrastructure



60%
of vehicles sold globally
will be electrical

**220
Millions**
of EV charger stations
will be set globally

32%
of energy consumption will
be renewable by 2030

DeviceOn
Software & Services

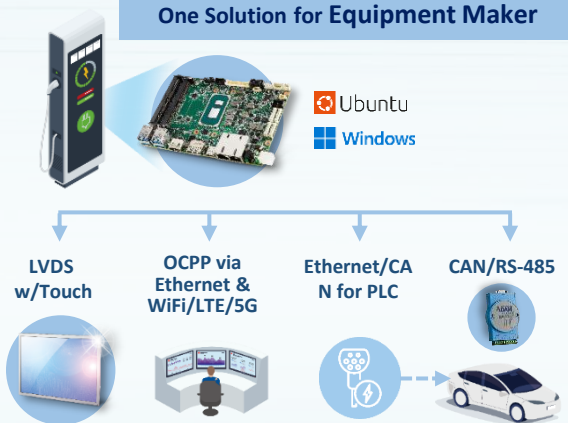


Built-in Security

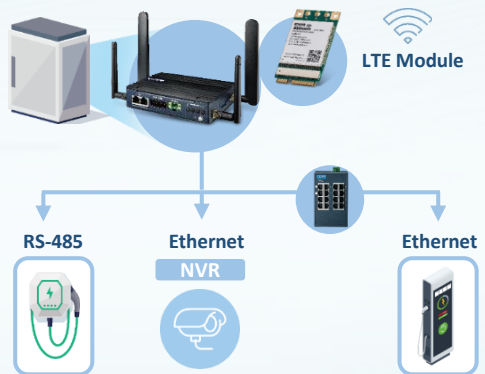


Efficient Operation

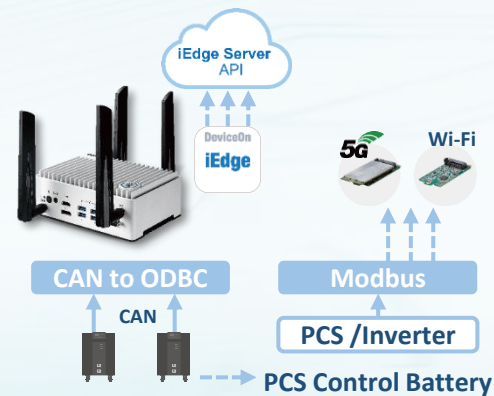
One Solution for Equipment Maker



Edge Gateway for Site Management



Edge Intelligent for Energy Management



High-Performance Computing at the Edge

Redefining Next-Generation AIoT Platforms

Server-grade Processors

- 64 Cores • 768GB Memory • 256MB L3 Cache

High Bandwidth Connectivity

- 25 Gigabit Ethernet • PCI Express Gen5 • USB4

GPU Acceleration

- AI Visual Inference • H.265 HEVC Transcode



Data-Drive to Take on Challenges

The Edge Computing Market

\$61 Billion by 2028

CAGR **↑ 38.4%**

GRAND VIEW RESEARCH, May 2021

\$55 Billion by 2028

CAGR **↑ 7.31%**

VERIFIED MARKET RESEARCH, Dec 2021

The High-Performance
Computing (HPC) Market

The Edge Data Center Market

\$13 Billion by 2024

CAGR **↑ 20%**

GLOBAL MARKET INSIGHTS, Mar 2019

Empower AI at the Edge



AI Acceleration & GPU Cards



intel **ARC**™

Edge Inference Systems



nvidia.
Jetson Orin

AI Training Systems



nvidia.
RTX

Edge AI Software and Service

Edge AI
Suite

OpenVINO®
SUSI-AI APIs

JetPack/CUDA
ROS2 Suite

Machine Learning
Service

AZURE Cognitive Services
Machine Learning

EDGE
IMPULSE

Redefining the Edge with Arm-based Solutions

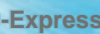


Full Spectrum
of Form Factors

Innovative Hardware
Design

Exclusive
Software Services

Excellent
Ecosystem Collaboration



Industrial Peripherals & Software Distributions

Streamlined
Design-In Services

Excellent
System Integrations

Exclusive
Software Utilities

Software Distribution & Add-on Services

Ultra-low Power x Colored
ePaper Solutions



Eink. **innodisk** **KingSteel** **hitron**
希捷科技

High Brightness, IP67
Outdoor Display Solutions



Wi-Fi 6E x 5G x GNSS
High Speed Connectivity



NXP **Qualcomm** **DEKRA** **ANWU** **AMOV ELECTRONICS, INC.** **MOUSER ELECTRONICS**

Wide Temp Gen4 SSD,
DDR5 & DDR4 Solutions



Micron **ISSI** **SK hynix** **PHISON** **INNOGRIT**

AMT **AUO** **InnoLux**
AUO Display+
HIGGSTEC **矽晶光學股份有限公司**
SILDEX OPTICAL INC.

Custom Self-Checkout Solutions Powered by AI and Sensing Technologies

Contactless • Touchless

Stylish, Compact, & Modular Design

- Space-saving footprint
- Eye-catching brand enhancement
- Easy integration and maintenance

Strategic Partner Ecosystem

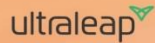
- Extensive network of best-in-class technology partners
- Co-marketing and co-selling

Customer-Centric Design & Manufacturing Services

- Branding color(s) and logo customization
- Flexible configuration and installation options
- Fully customizable kiosk offerings

Touchless & AI Sensing Technologies

- Touchless operation for hygienic interaction
- AI vision contactless services
- Redefining self-checkout experiences





Creating Medical Mobility with **AMiS**



AMiS-22



AMiS-3 series



AMiS-50E



AMiS-7 Series



AMiS-8 Series



AMiS-9 Series

Retail and Hospitality



TABLE SIDE ORDERING



SELF SERVICE



INVENTORY CHECKING



MOBILE POS TICKETING

Exceed Customer Experience with AIM

AIM-75S



AIM-37



AIM-77
(Q4/2023)



10" Hospitality Android
Tablet/mPOS

Purposed-Built Peripherals



Co-Creating the Future of the IoT World

