



# COMPANY PROFILE

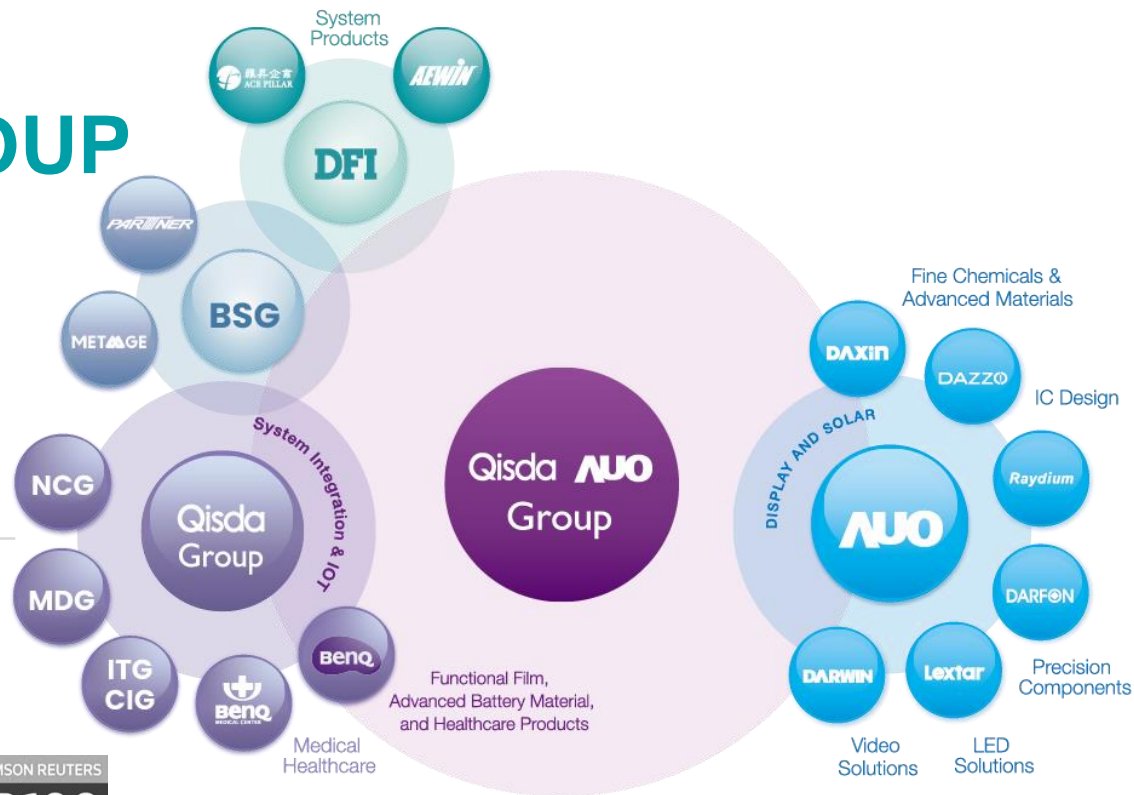
2025 Q2



# ABOUT QISDA /AUO GROUP

The Qisda Group is a large-scale collective of independent companies that offer an extensive range of products and services to countries around the world. It is also recognized as a **"2018 Top 100 Global Technology Leader"** by Thomson Reuters.

- **100,000+** employees worldwide
- **100+** sales/manufacturing sites
- **\$25B** annual revenue
- Vertical integration from components to total solution



# Qisda BSG

## Business Solutions Group

Industry-Leading AIoT Expert



**3,000+**

WORLD EMPLOYEES



**50+**

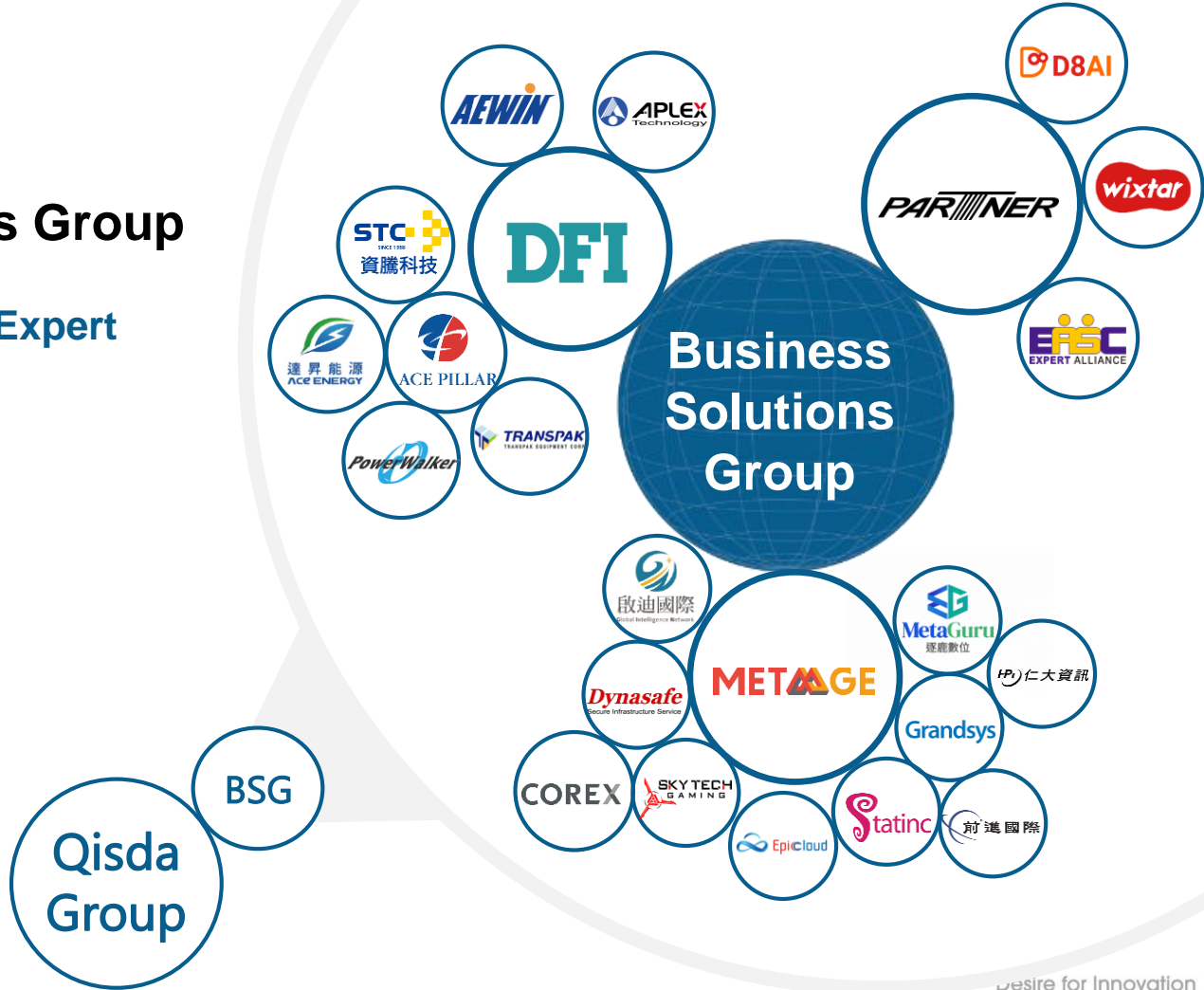
WORLDWIDE SITES



**1B+**

REVENUE (USD)

DFI



# DFI GROUP AT A GLANCE

**298M**

CONSOLIDATED REVENUES  
IN 2024 (USD)

**40+** YEARS

IN-DEPTH EXPERIENCE IN  
EMBEDDED SOLUTIONS

**300+** R&D

OUTSTANDING ENGINEERS

**40+** SITES

SERVICE CENTERS  
WORLDWIDE

**1M+**

EMBEDDED BOARDS  
DELIVERED EVERY YEAR



**15** YEARS

EXTENDED LONG TERM  
SUPPORT

*Embedded*

*Networking*

*Automation*



- Employee: 320
- Products: Network Security  
Server Computing & Storage



- Employee: 491
- Products: Mechatronics Components  
Automation Technical Service

※ The annual revenue of Brainstorm has been excluded from the DFI's financial statements.

# HONORS OF DFI



- Listed “**FAST Growing 100 Company**”

In Common Wealth Magazine in 2020



- Listed “**FAST Growing 100 Company**”

In Common Wealth Magazine in 2021



- Listed “**High-Growth Companies Asia-Pacific 2022**” in Financial Times



- Ranked “**Top3 IPC Company**” by revenue in TrendForce



- Won “**Bronze Honor in Taiwan Corporate Sustainability Awards**” in 15<sup>th</sup> TCSA



- Won “**Gold Honor in Taiwan Sustainability Action Awards**” in TCSA



- Achieved the “**Corporate Excellence Award**” conferred by the 2023 APEA



- Won “**Gold Honor in Taiwan Corporate Sustainability Awards**” in 16<sup>th</sup> TCSA



# DFI Edge AIoT Platform and Service

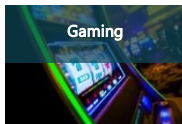
One-stop Edge AIoT platform with agile development and fast market entry

## Global Expansion

Boost edge AI computing for vertical applications



Factory Automation



Gaming



Defense / Marine



Smart Medical



Smart Transportation



Gas / Oil / Energy



**Embed in the market for a win-win partnership**

**BD & Sales:** Insight into global edge AI needs, offering innovative solutions for customer growth.

## High-Efficiency Drive

Focus on industrial Edge AI and embedded products innovation

### Motherboards

Diverse & rich in size



From 1.8" to EATX & COMe to Q7

### AIoT Systems

Fulfills Edge AI



Fanless, compact, and powerful

### Edge AI Servers

Expandable Edge AI



Designed for AI acceleration and parallel computing

### Panel PCs & Displays

Optimized HMI



Integration of advanced embedded and display tech.

### Modules

Connect more



Remote mgmt. I/O Expansion



**Insight into needs, offering diverse flexibility**

**Product development team:** Versatile, high-quality solutions to meet diverse customer/application needs.

One Stop Edge AIoT Platform

AIoT + Edge Computing



CPU



MPU



NPU



GPU

Market Demands



Wide Temperature



Anti-Vibration / Shock



IP65/66 Rated Protection



Mission Critical



Conformal Coating



Wide Voltage



Marine Design



Agile Development



OOB



Virtualization

Value Added Services

## Comprehensive Support

Multi-platform for embedded tech. flexibility



**Integrated software and hardware with agile development**

**R&D team:** Supporting x86/Arm platforms with virtualization, OOB management, and value-added tech.



PRODUCT

# FLEXIBILITY-RUGGEDIZED & CUSTOM DESIGN FOR EXTREME APPLICATIONS



Wide Temperature	Wide Voltage	IP65/66 Rated Protection	Anti-Vibration / Shock	Conformal Coating	Marine Design	Mission Critical
-40°C-85°C Durability	9-36V DC Input	Dust / Particles Protection	Stable / Reliable Performance	Parylene / Conformal Coating	IEC60945	3s after booting into OS image
Optimized Thermal Solution	Over Current Protection	Water Protection	IEC60068	Excellent Adhesion	power isolation Anti-noisy	VPX development capability
HALT Test			Frequent Vibration/Shock Resistance	Corrosion Resistance	High radiation	

# Global Reach, Local Agility

## Platform development

## From edge to servers

## + Manufacturing

## Global and flexibility

+ Service

## Global FAE and technical support

= **CONNECTED for Optimization**



**1,400+** WORLD EMPLOYEES



**40+ WORLDWIDE SITES**



**20+ YEARS** Networking

**30+ YEARS** Industrial Automation

**40+ YEARS Embedded**

# AMERICA

Sacramento DFI

Sales,  
Technical Support,  
RMA,  
Manufacturing

**EURPOE**

**ROTTERDAM** **DFI**  
**South EU (Q2/2025)**

Sales,  
Technical Support,  
RMA  
Manufacturing(CM)

## KOREA

SEOUL **DFI** *AEWIN*

Sales

## JAPAN

TOKYO DFI

R&D,  
Sales,  
Technical Support,  
RMA

## CHINA

SUZHOU  
SHENZHEN  
BEIJING  
TIANJIN

Sales,  
Technical Support,  
RMA,  
Manufacturing

## TAIWAN

TAIPEI (HQ) **DFI**

R&D,  
Sales,  
Technical Support  
RMA,  
Logistics,  
Manufacturing (DFI)

VIETNAM

HA NAM Qisda

Manufacturing(BenQ)

INDIA

**HARTANA DFI**  
**North & West India (Q2/2025)**

Sales,  
Technical Support,  
RMA  
Manufacturing (CM)



# Cybersecurity Roadmap



2022

- ✓ Verified IEC 62443-4-1
- ✓ GDPR compliant



2024

- Verify ISO 27001:2022



mid-term

Continuously carry out the PDCA cycle and follow the Cybersecurity Framework 2.0 (CSF) proposed by the National Institute of Standards and Technology (NIST) in the United States.

long-term

Continuously improve the quality of information security and digital resilience.

# ESG Roadmap



**2022**

- ✓ Published the CSR report online
- ✓ “**High-Growth Companies Asia-Pacific 2022**” in Financial Times
- ✓ Bronze Honor in TCSA

**2024**

- ✓ Calculate Carbon Footprint of products
- ✓ Quantity of ErP Lot 3 compliant models 45%

**mid-term (2030)**

- ✓ 60% Renewable energy and carbon offset
- ✓ 5% Reduction in water resource usage
- ✓ 90% Recycling rate
- ✓ Quantity of ErP Lot 3 compliant models 70%

**2050**  
**Net-zero emissions**

**2023**

- ✓ Published the first ESG report online
- ✓ Achieved the Corporate Excellence Award conferred by the APEA
- ✓ Gold Honor in TSAA & TCSA
- ✓ ISO14064-1 to Scope 3
- ✓ ISO 50001

**short-term**

- ✓ Quantity of ErP Lot 3 compliant models 60%
- ✓ Innovative cases of new products or technologies developed due to climate transition risks
- ✓ DFI's Supplier Sustainable Management & Survey

**long-term (2040)**

- ✓ 100% Renewable energy and carbon offset
- ✓ 1% Reduction in water resource usage
- ✓ 10% Decrease Carbon Footprint of products

# FROM MODULES & BOARDS TO INTEGRATED SYSTEMS AND EMBEDDED SOLUTIONS

## Industrial Motherboards

From 1.8" to EATX

**World Smallest  
Industrial  
Pi-Sized SBC**



## System-On Modules

From COM Express to Qseven

**Military Critical Grade  
Ultra-low 15W SoC**



## Industrial Computers

From Performance PC to  
Fanless System

**Compact Industrial  
Computer**



## Industrial Panel PCs & Displays

From Industrial Display to Fanless  
Touch Panel PC

**Modularize Industrial  
Panel PC**



**DFI's Highlight of Strength**

# DFI MARKET-LEADING INNOVATION & QUALITY



## *Rapid*

**2 Weeks** Sample Delivery & Deviation

## *Longevity*

**15 Years** Product Life Support & Revision Control

## *Diversity*

**40+** CPU Platforms Development

## *Quality*

**<1000** DPPM

# CERTIFICATION QUALIFIED



## Quality

- ISO 9001
- CCC China



## ESG

- ISO 14001
- ISO 45001
- IECQ QC080000
- RoHS-10 Compliant
- ISO 14064-1  
(Greenhouse Gas  
Inventory Certification)



## Medical

- ISO 13485
- EN 60601-2:2015



## Grand Transportation

- IATF 16949\*
- ISO7637-2 / E-Mark
- MIL-STD-810F
- EN50155, EN45545,  
EN61373

\* Suzhou factory only



# | DFI CORE COMPETENCIES

## Global IPC LEADER

*A Leading Provider of Embedded Solutions Our Commitment is to Provide High-Valued Products for You*

### PRODUCT

**In-Depth & Fast Development**

**40+**

CPU Platforms Designs

**2** Weeks

Product Deviation

**8** Months

ODM Development

### MANUFACTURE

**Large & Small-Scale Capacity**

**300%**

Picking Increased

**30%**

Capacity Enhanced

**99%**

Inspection Accuracy

### SERVICE

**Quick & Dedicated Support**

**20+**

Global Sites Support

**5** Days

Draft Report

**8** Hours

Issues Solved

PRODUCT

# FAST DEVELOPMENT

**100+** Developing Products

The timeframe of product development

8-12 months

## ODM

Semi-custom or full-custom are available depending on clients' requirement

## Standard Board level

In-house design and production of complete line of various form factors from SBC to ATX

10 months

## Standard System level

Comprehensive design-in for systems from box PC to panel PC

2 weeks

## Product Deviation

We provide fast response and agile schedule for BIOS customization

PRODUCT

# TOP-TIER GLOBAL TECH LEADER PARTNERSHIP



DFI is Committed to Providing Standard/Custom-Made Products of Various Form Factors / Platforms From Modules and Boards to Integrated Systems and Embedded Solutions

**40+** CPU PLATFORMS  
R&D In-Depth Design Know-How

**30+** YEARS COLLABORATION  
Dedicated CPU Partners Support

**300+** STANDARD & ODM PROJECTS  
Time-to-Market Align With CPU Release

# ODM CAPABILITY

## CUSTOM BIOS



**20+**

Dedicated BIOS Engineers

**5 days**

Simple Revision Customer Info

**10-30 days**

Feature Code  
Fast Reboot / OOB / BootGuard

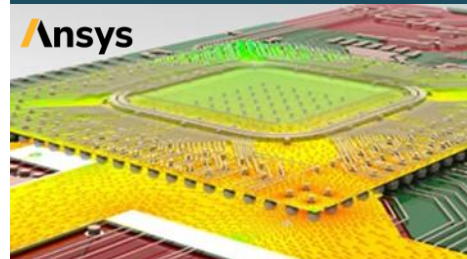
## CUSTOM SUPPORT



## VIP Bug System

Automatic MFG  
Fixture Test

## SIMULATION



**Ansys**

## Risk Assessment

for PCB Selection /  
Signal Quality Analysis



MANUFACTURE

# MANUFACTURING PRECISION & EXCELLENCE

## CAPACITY & EFFICIENCY

### MARKET-LEADING EQUIPMENT BEYOND INDUSTRY STANDARD

#### AUTOMATED STORAGE & RETRIEVAL SYSTEM



Increase **300%** For Picking

#### 5 HIGH-SPEED SMT LINES



Increase **30%** Output Rate

#### WIDE-TEMP BURN-IN CHAMBER



First Pass Yield increase **99.6%**

#### MES ALLOWS ALL PARTS TO BE FULLY TRACKABLE



Inspection Accuracy Up to **99%**

#### 2D / 3D / XRAY PRE-REFLOW / POST-REFLOW AOI



Quality Control Up to **99.95%**

ASMP™ enabling the digital world

kurtz ersa

TRI  
Innovation



# FLEXIBLE MANUFACTURING CAPABILITY

Large and small-scale capacity are available.

We can leverage Qisda's manufacturing capacity to accelerate DFI's product development.

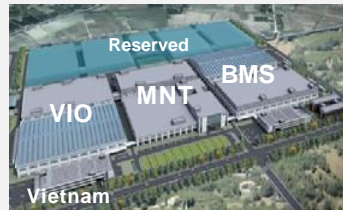
## DFI 100% OWNED CAPACITY

	PCBA	System
<b>Production Lines</b>	5 SMT Lines* 2 MI Lines 56 Test stations	4 System Assembly Lines
<b>Monthly Capacity</b>	100K (Boards)	60K (Units)

## QISDA FLEXIBLE CAPACITY

### VIETNAM

PCBA Center	Line	Monthly Capacity
SMT	3	360K
MI	3	360K



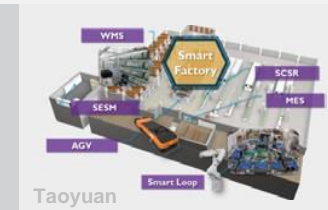
### SUZHOU

PCBA Center	Line	Monthly Capacity
SMT	40	10.5M
MI	4	0.3M



### TAOYUAN

Manufacturing Center	Monthly Capacity
PCBA	360K
IPC	20K



MANUFACTURE

# DFI's Smart Factory






5 reasons why DFI's factory stands out in a competitive industry!







MANUFACTURE

# Qisda Factory in Vietnam

## System Assembly & VIO (Vertical Integration Organization) Factory

SYSTEM ASSEMBLY FACTORY	SMT	Manual Insertion	Automatic Insertion	BMS	Final Assembly
					
	Current Capacity	1.8M	2.0M	1.8M	100k
Max Line Space	20	20	6	12 (600K)	35 (1750K, Monitor)

VIO FACTORY	Molding Injection	Tooling	Stamping	
				
	Current Capacity	230k	10 set	
Max Line Space	65 (900K)	-	6 (900K)	



SERVICE

# RESPONSIVE TECHNICAL AFTER SALES SUPPORT

**8** Hours

Quick Response for  
Regular Technical  
Issues Solution

**5** Days

Draft Report for  
Product Application  
Issues Solution

**10** Days

Mid-Report for  
Product Design  
Issues Solution

**30** Days

Final CAR Report  
for Manufacturing &  
Parts Issues Solution

**We offer comprehensive issues analysis include:**

Problem description > Issue reproduce & cause analysis > solution / workaround > corrective action plan

SERVICE

# SERVICE CAPABILITY



*“Whether in reliability for high-end solution, product performance, or responsive services, DFI always stays one-step ahead of customers!”*

Thomas Wollesky, CEO of **CCL**

## What DFI Offers for Clients



Know-how of vertical market **top 10** customers and offer reasonable prices



Professional product consultation and fast response within **24 hrs**



Quickly find the best solution for customers within **7 days**



Global **20+ sites** for timely or on-spot sales service





**ESG**

Demonstrating the Beauty  
of Technological Living

- 100% Customer Satisfaction and Information Secure Protection

- Passed IECQ QC 080000 HSF For 100% High Quality Control

- Acquire ISO 14064-1:2018 Greenhouse Gas (GHG) Certification

- Won “Gold Honor in Taiwan Corporate Sustainability Awards” in 16<sup>th</sup> TCSA

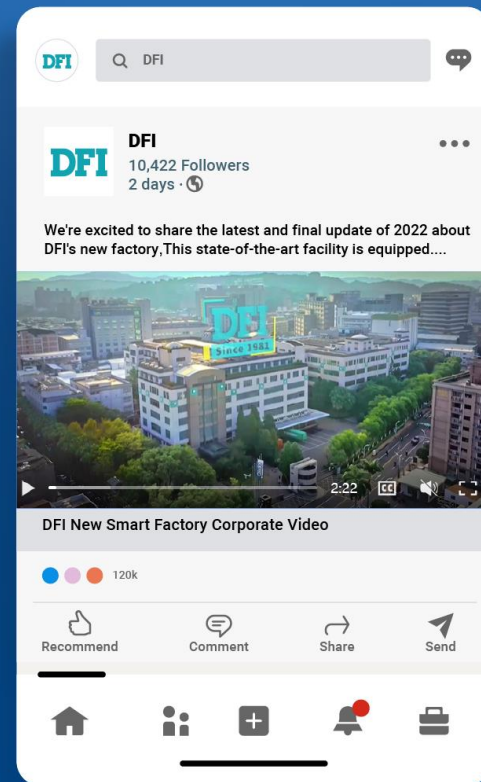
- Won “Gold Honor in Taiwan Sustainability Action Awards” in TCSA



# FOLLOW US ON



Scan the QR code to follow!



**DFI**

**Thank you**



A decorative graphic in the top-left corner of the slide. It features a series of white, stylized circuit lines that curve upwards and to the right. Along these lines are several small white icons: a heart with a pulse line, a bus, a satellite dish, and a computer monitor.

# Appendix

# MILESTONE

1987

Established Branch Office in New Jersey, USA

2000

Established Branch Office in Rotterdam, Netherlands

Public listed in TWSE (#2397)

2003

Awarded Chief Editor Choice Award in PC Magazine

Awarded Best Creativity Award in Tom's Hardware Guild



2012

Fully Transferred to IPC Products

2015

Certified Microsoft Azure IoT Platform



2017

Joined Qisda Group



2020

Listed "FAST 100" In Common Wealth Magazine



2022

Listed "High-Growth Companies Asia-Pacific 2022" in Financial Times

Won "Bronze Honor in Taiwan Corporate Sustainability Awards"



1981

Established in Taipei, Taiwan

DFI

1996

Awarded Top 10 Motherboard Manufacturer in CNR magazine (1996-1998)

2002

Established Branch Office in Tokyo, Japan

Started to Develop Embedded Product Design and Manufacture

2007

Released COM Express

2014

Established Branch Office in Shenzhen, China

Awarded COMPUTEX d&i Award, Red Star Design Award, Golden Pin Design Award



2016

Released Qualcomm-Based Boards, Medical Industrial Computer

2019

DFI Acquires AEWIN to Expand into Cybersecurity Business



2021

DFI Acquires Brainstorm (SKYTECH) to Expand Into Gaming Industry



Listed "FAST 100" In Common Wealth Magazine



2023

Won Gold Honor in "Taiwan Sustainability Action Awards" & Taiwan Corporate Sustainability Awards in TCSA



Achieved the Corporate Excellence Award conferred by the APEA



2024

Intelligent AI Retailer Kiosk won the 2025 Taiwan Excellence: enabling AI for a sustainable future



DFI

Desire for Innovation



# SMT LINE



## Solder Paste Inspection

- Shadow Free Fringe Pattern Lighting
- Optical Resolution: 15  $\mu\text{m}$
- Linear Motor Design for Stable and Accurate Inspection



## 2D AOI

- Total Multi-angle Coverage
- High Resolution Angled Inspection
- High-speed Dynamic Imaging



## 3D AOI

- Total Multi-angle and 3D Coverage
- High Resolution Angled Inspection
- Quad Digital Fringe Pattern Technology

## PCB Loader

## Multi-Function Buffer Loader

## Unloader



## Screen Printer

- Clamped Double Trailing Edge Squeegee
- Glue Dispense



## Multi-Function and High Speed Mounter

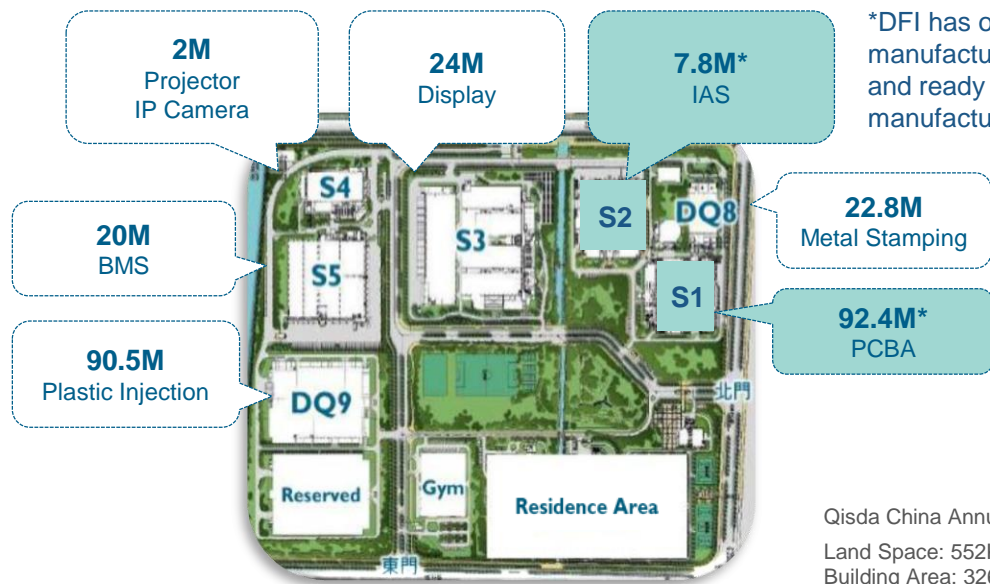
- Placement Accuracy: 22  $\mu\text{m}$  at 3  $\sigma$
- Component Spectrum: 03015 to 200mm x 120mm x 25mm
- PoP PCB Assembly Supported



## IR Reflow

- HE Flux Management Advanced System
- Atmosphere Control System
- KIC Thermal Profiling

# CHINA MANUFACTURING CAPABILITY

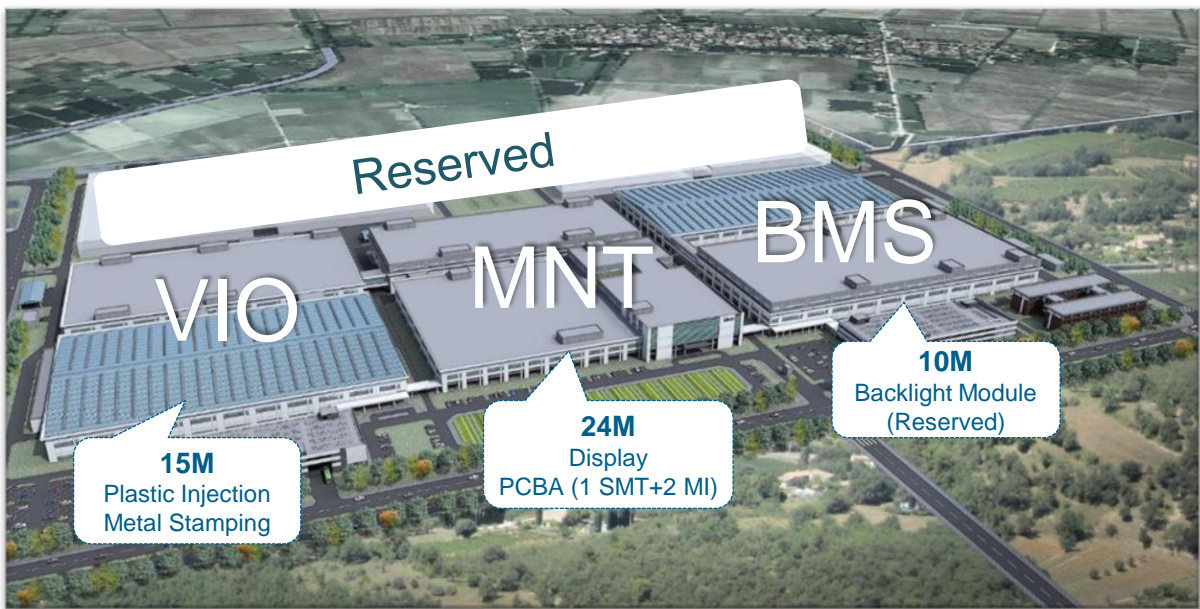


\*DFI has on-going projects manufactured in **S1&S2** and ready for future manufacturing

Qisda China Annual Capacity  
Land Space: 552K(m<sup>2</sup>)  
Building Area: 326K(m<sup>2</sup>)



# VIETNAM MANUFACTURING CAPABILITY

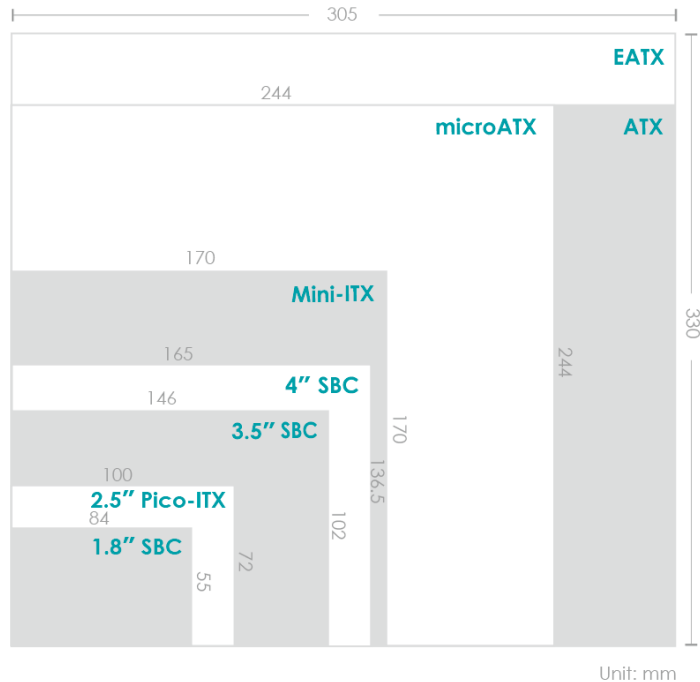


Qisda Vietnam Annual Capacity  
Land Space: 36M(m<sup>2</sup>)





# INDUSTRIAL MOTHERBOARDS



## Rugged Design

Wide-voltage, wide-temp,  
fanless, coating service

## Legacy Multi-IO

COM ports, PCI,  
ISA for dedicated market

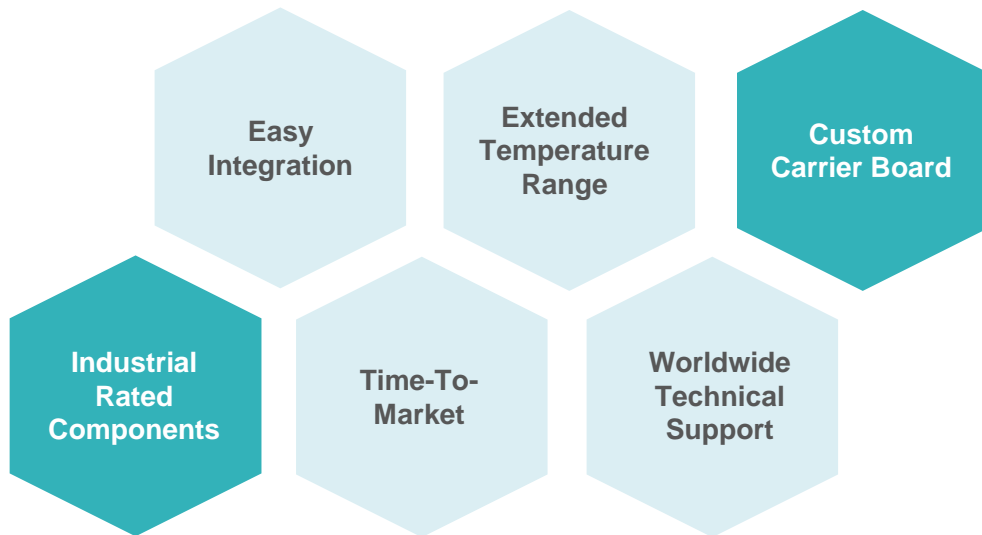
## High Throughput PCIe

Used for heavy duty AI,  
machine learning,  
deep learning applications



*DFI is Capable Of Providing Standard/Custom-made Products of Various  
Form Factor/Platform Boards (Intel/AMD/ARM).*

# SYSTEM-ON-MODULES



*DFI provides off-the-shelf System-On-Modules including COM Express Type 2/6/10/7, Qseven, and Customization Design-in Services.*





# INDUSTRIAL COMPUTERS

- Advanced Mechanical & ID Design
- Flexible & Customizable I/O
- Premium Thermal Solution
- Multiple Embedded Applications



*Automation Computing*



*In-Vehicle Computing*



*Medical Computing*

# INDUSTRIAL PANEL PCS & DISPLAYS

- Sizes Covering From 7" to 85"
- Easy System Integration
- Sunlight Readable & High Brightness
- P-Capacitive/Resistive Touch



*Touch Panel PC*



*Bar Panel PC*



*In-vehicle Panel PC*



*Touch Monitor*



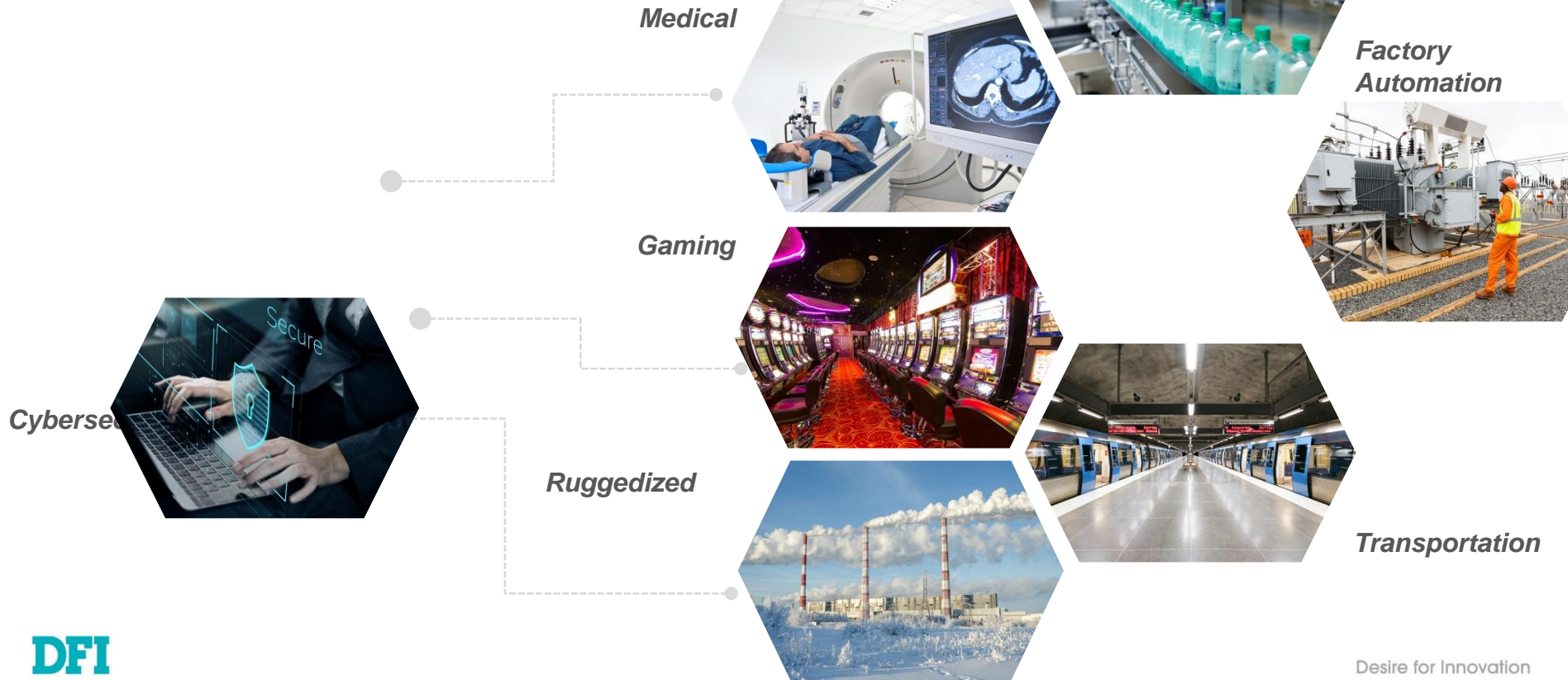
*Bar Display*



*Medical Display*

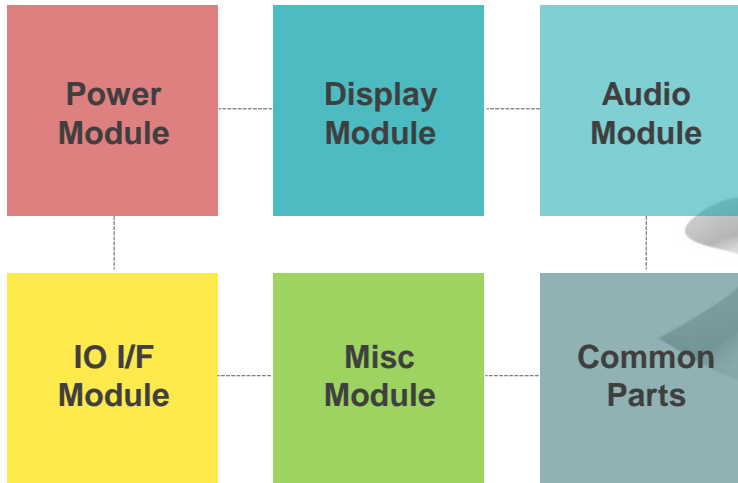


# APPLICATION FOCUS



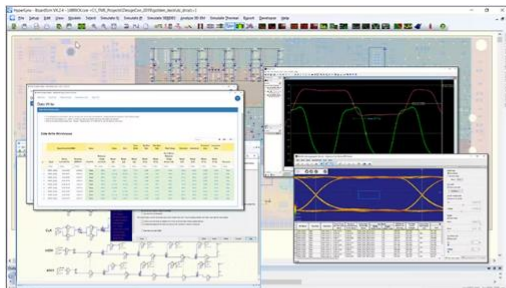
# REVISION CONTROL

## SOLID GROUNDWORKS



*With 40+ years of extensive R&D experience, DFI has modularized our circuit designs and stored them in our database, which not only meets customer's time-to-market demand but also ensures consistency of the design.*

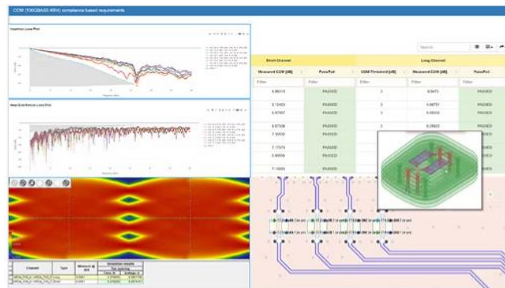
# SIMULATION TOOL



## APPLICATION

### DDRx Interface Design

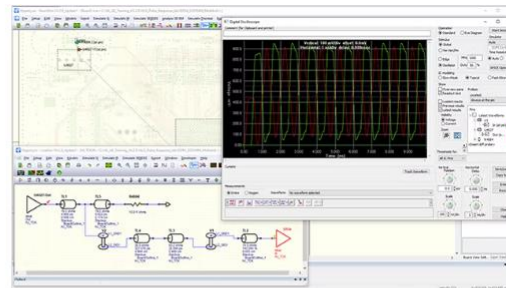
Pre-route exploration ensures designs meet protocol-specific requirements, optimizing for cost and performance. Automated post-layout simulations validate all signals for signal quality and timing.



## APPLICATION

### SerDes Channel Design

HyperLynx SI automates compliance analysis for over 100 protocols, including Ethernet, Fiber-Channel, HDMI, JESD, MIPI D-PHY, OIF-CEI, PCIe, and USB.

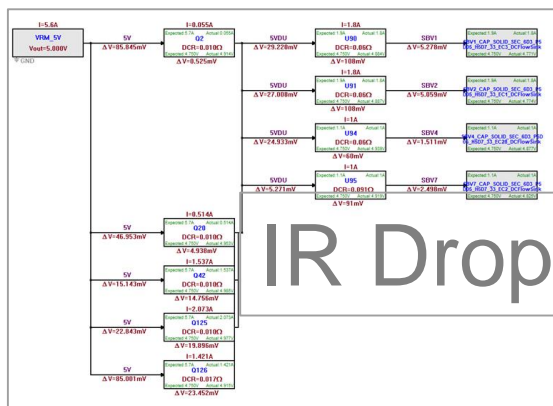
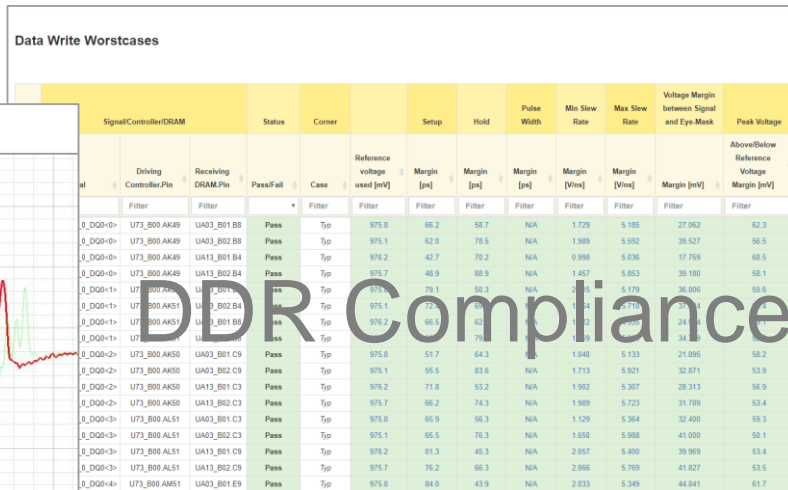
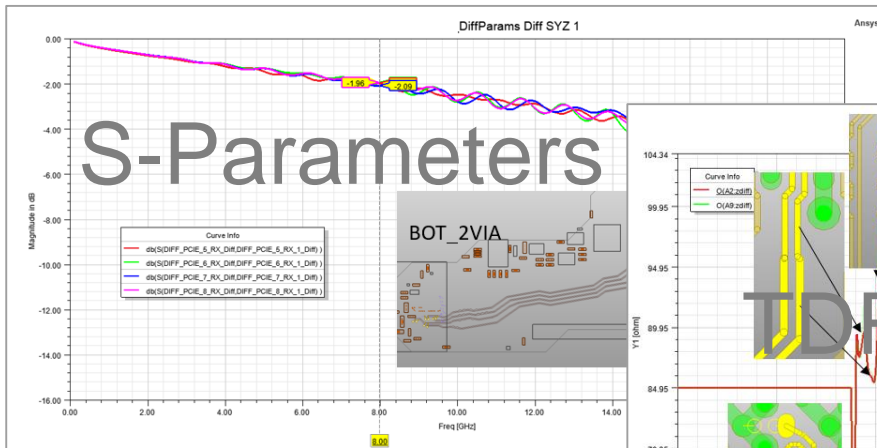


## APPLICATION

### General-Purpose Signal Integrity

HyperLynx interactive analysis makes it quick and easy to investigate and mitigate crosstalk, optimize terminations, and configure I/O settings.

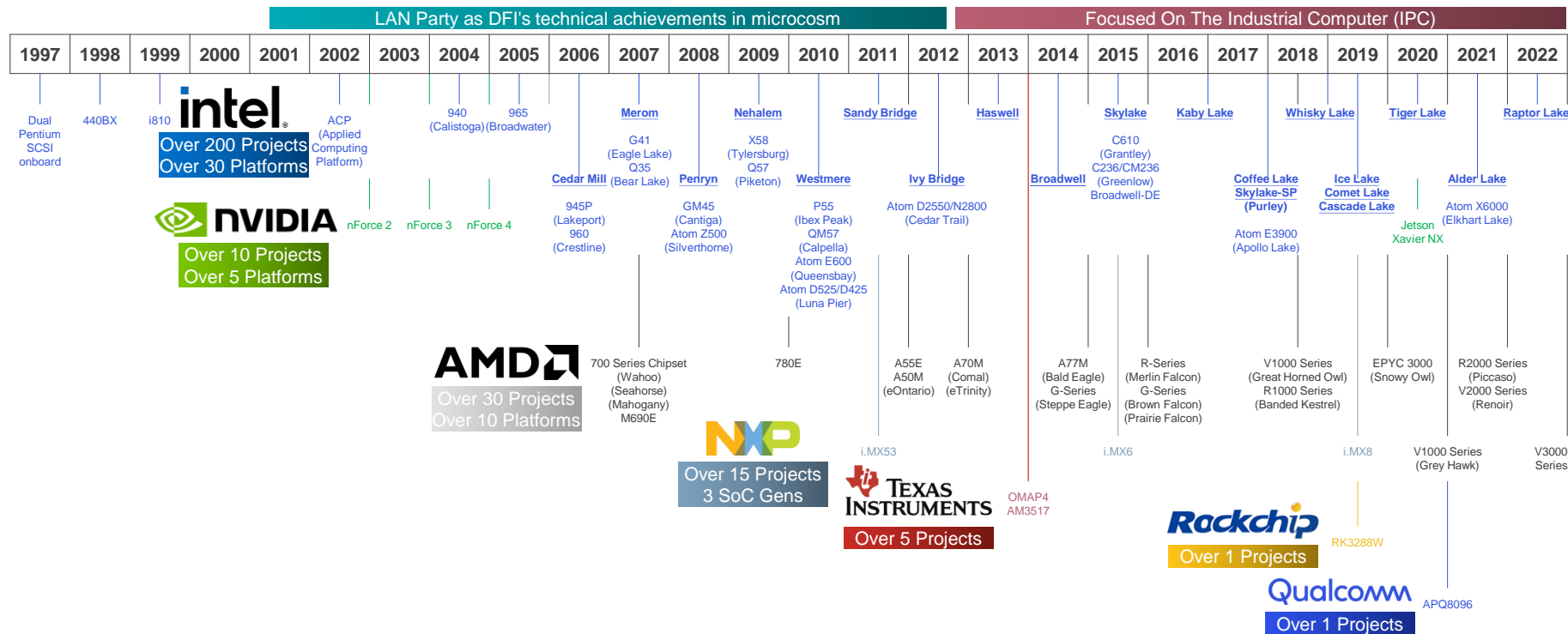




RX / RX Pins		Eye Height				Eye Width				Vertical Eye Closure	
RX		Min Required [V]	Measured [V]	Pass/Fail	Measured At Offset [uV]	Min Required [uV]	Measured [uV]	Pass/Fail	Max Required [uV]	Measured [uV]	
EC4	PC1B15 PC4	0.0	0.0329	PASSED	-0.0041894	0.3	0.45406	PASSED	NA	4.3094	
EC2	PC1B15 PC4	0.0	0.0329	PASSED	-0.0041894	0.3	0.457	PASSED	NA	4.5392	
FB11	PC1B24 PC4	0.0	0.0329	PASSED	-0.0022347	0.3	0.4303	PASSED	NA	4.1066	
EC4	PC4B24 PC4	0.086	0.26752	PASSED	-0.00692841	0.3	0.44111	PASSED	NA	4.61334	
551	PASSED	0	0.3	0.438799	PASSED	NA	4.61334				
504	PASSED	0.00230947	0.3	0.441109	PASSED	NA	4.53942				
223	PASSED	-0.00461894	0.3	0.452656	PASSED	NA	4.53942				
448	PASSED	0	0.3	0.441109	PASSED	NA	4.61334				
758	PASSED	0	0.3	0.443418	PASSED	NA	4.61334				
411	PASSED	-0.015473	0.3	0.441109	PASSED	NA	4.30944				
555	PASSED	-0.0161663	0.3	0.445727	PASSED	NA	4.53942				
711	PASSED	0	0.3	0.445727	PASSED	NA	4.53942				
298	PASSED	-0.00692841	0.3	0.445727	PASSED	NA	4.53942				
203	PASSED	-0.00923788	0.3	0.445727	PASSED	NA	4.46612				
269	PASSED	0	0.3	0.438799	PASSED	NA	4.36044				
125	PASSED	-0.00923788	0.3	0.454965	PASSED	NA	4.32135				

# CPU PARTNERSHIP MILESTONE

*A Standing Witness As Time Gone By*



# ABOUT AEWIN

Founded	October, 2000
Worldwide HQ	Taipei, Taiwan
Public Listed	Dec., 2013 listed on OTC (#3564)
Revenues	USD 63 million (2023)
Employees	328 worldwide
Corporate	<u>Sales Offices</u>
Footprint	USA, China, Taiwan, Korea <u>Manufacturing Center</u> Taipei, Taiwan
Product Lines	<ul style="list-style-type: none"><li>■ Network Security</li><li>■ Server Computing &amp; Storage</li></ul>



***“Advanced Network &  
Cybersecurity Solutions”***

# ABOUT AEWIN

- Advanced Mechanical & ID Design
- Flexible & Customizable I/O
- Rich Interfaces & Connectivity
- High Density & Expanded Storage

► Performance



► Mainstream



► Value



► Entry



► Industrial



► High Density Storage



► Hybrid Computing



► Edge Computing





# ABOUT ACEPILLAR

<b>Founded</b>	March, 1984
<b>Worldwide HQ</b>	New Taipei City
<b>Public Listed</b>	Dec., 2008 listed on TWSE (#8374)
<b>Revenues</b>	USD 98 million (2023)
<b>Employees</b>	491 worldwide
<b>Corporate</b>	<u>Sales Offices</u>
<b>Footprint</b>	China, Taiwan, Hong Kong
<b>Product Offerings</b>	<ul style="list-style-type: none"><li>■ Automatic Mechatronics Components</li><li>■ Automation Technical Service</li></ul>



*“Leading Industrial Automation  
Service Provider”*



# ABOUT ACEPILLAR

- Total Solution for Smart Manufacturing
- High R&D Automation Capability
- Diverse Automatic Product Offerings
- Reduction of Time-to-Market

## ► Automation Controller & Monitor System



## ► Automation Drive Control System



## ► Automation Mechanical Transmission System



## ► Pneumatic Components



## ► Inverters

