

## Advantech and Zhen Ding Technology announce strategic collaboration to foster the digitalization and green development of the PCB industry with AI

TAIPEI, Taiwan - June 17<sup>th</sup>, 2024 – Advantech (TWSE: 2395), a global leader in industrial IoT, and Zhen Ding Technology Holding Limited (TWSE: 4958), a global PCB leader, have signed a strategic cooperation agreement in Shenzhen. The two companies will establish a comprehensive strategic partnership to promote the digitalization, intelligence, and green development of the PCB industry. The first phase of cooperation will utilize Advantech's smart manufacturing solutions, manufacturing safety management systems, and smart energy management solutions to assist Zhen Ding Technology Group (hereinafter referred to as Zhen Ding) in achieving digitalization and low-carbon development of its factories. In the future, the collaboration will further explore and practice the application of generative AI in PCB industry scenarios.



Figure: The Chairman of Advantech K.C. Liu (left) and the Chairman of Zhen Ding Charles Zhen (right) have signed a strategic partnership agreement

K.C. Liu, Chairman of Advantech stated, "As a global leader in the PCB industry, Zhen Ding has consistently been at the forefront of the industry. The comprehensive integration of Advantech's smart manufacturing and smart energy management solutions represents a benchmark for the application of digital and intelligent factories and smart industrial parks in the PCB industry. The upgraded cooperation between Advantech and Zhen Ding signifies that both parties are entering a phase of strategic collaboration. Advantech hopes that through this partnership, leveraging Zhen Ding's practical experience and partnerships in the global PCB industry, they can jointly build a PCB industry ecosystem and promote the digital and intelligent transformation process."

Charles Shen, Chairman of Zhen Ding Technology stated, "As a global leader in industrial IoT, Advantech has extensive experience in smart manufacturing and smart energy management across numerous industries. Through this collaboration, we aim to leverage Advantech's advanced technology solutions and rich practical experience to assist Zhen Ding in achieving comprehensive digital, intelligent, and green transformation. We expect to see tangible results in quality improvement, efficiency enhancement, production safety, energy conservation and carbon reduction. Additionally, we look forward to using Advantech's WISE-GenieAI to implement more AI solutions and drive new developments in the PCB industry."

Currently, Advantech's Smart Manufacturing EHS (Environment, Health and Safety) Sustainable Intelligent Facility Solution, and iEMS (Intelligent Energy Management Solution) have been fully implemented in Zhen Ding Group's three major factory campuses in Shenzhen, Huai'an, and Qinhuangdao. Leveraging an end-to-end solution from edge computing to the cloud and the advanced EHS Sustainable Intelligent Facility Solution, Advantech has connected more than ten isolated subsystems, including fire safety, electromechanical, environmental engineering, and manufacturing safety signals, to build a 24/7 real-time monitoring safety supervision platform. This platform establishes a closed-loop management mechanism for early detection and early warning. Additionally, by combining platform capabilities with edge AI visual algorithms, the system provides visual safety diagnostics and real-time warnings for people, objects, and the environment.

Through Advantech's iEMS (Intelligent Energy Management Solution) and AI energy-saving algorithms, the AI energy-saving intelligent control upgrade for the air compressor system in Zhen Ding's manufacturing campus has been completed. It is expected to save approximately RMB 4.5 million annually, effectively implementing energy-saving and emission reduction plans, and making a significant step towards ESG sustainable development.

Looking ahead, both parties will replicate and promote this successful experience to Zhen Ding's factories in Kaohsiung and Thailand, further implementing the construction of smart industrial parks. Additionally, Advantech and Zhen Ding Technology will continue to deepen their cooperation and complement each other's strengths to jointly serve partners in the PCB ecosystem, driving innovation and sustainable development in the global PCB industry.



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#### About Advantech

Advantech has the corporate vision to "Enable an Intelligent Planet". The company is a global leader in the fields of IoT intelligent systems and embedded platforms. To embrace the trends of AIoT and artificial intelligence, Advantech has fully deployed its sector-driven strategy, focusing particularly on seven major sectors. This deployment aims to nurture market sectors and enhance core competitiveness. In the meantime, Advantech integrates its existing product group - the AIoT + Edge computing hardware platform - with the mature WISE-IoT software platform. Together with our industrial AI solutions and business expertise, this integration will form an "orchestrator" model for seamless industrial chain connections, benefiting both our partners and clients. Advantech is also working with business partners to co-create business ecosystems that accelerate the goal of industrial intelligence. ([www.advantech.com](http://www.advantech.com))

#### About Zhen Ding Technology Holding Limited

Zhen Ding Technology Holding Limited (Taiwan Stock Exchange Ticker: 4958) is engaged in the research, development, production and sales of a wide range of flexible printed circuit boards (FPC) and modules, high-density interconnect (HDI) PCBs, substrate-like PCBs (SLP), Mini LED ultra-thin boards, IC substrate and multi-layer rigid printed circuit boards (RPCB) for a wide range of applications including computer information, consumer electronics, networking, automotive electronics, high-performance computing and medical fields. We provide one-stop shopping for all-round solutions to our customers. For more information, please visit the Company's website: [www.zdtco.com](http://www.zdtco.com)

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