Nomination: 20291

MSquare Technology

Page: General Information

Name of Organization / Company

MSquare Technology

Logo

Download File (https://asiastevieawards.secure-platform.com/file/31264/eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJtZWRpYUlkIjozMTI2NCwiYWxsb3dOb3RaWduZWRVcmwiOiJGYWxzZSIsImlnbCyz-KDLZG5Xh8XxMW7rX4DmWo?MSquare_logo.png)

Web Site Address

https://www.m2ipm2.com/ (https://www.m2ipm2.com/)

Page: Entry Information

Entry Title

MSquare Technology

Category

B01 - B12 - Award for Excellence in Corporate Innovation > B12B. Most Innovative Tech Startup of the Year - Services

Submission Format

An Essay of up to 625 Words

Essay

Overview

Founded in 2021 in Shanghai, MSquare Technology is a leading provider of integrated circuit (IC) IPs and Chiplets, focused on solving the industry's challenges in chip interconnectivity and integration. We specialize in delivering efficient, flexible, and customized IP modules and Chiplet design services. Looking ahead, our mission is to establish an open ecosystem for AI and Chiplet technology, driving innovation and progress in the semiconductor industry. MSquare Technology has shown strong financial performance since it was established. The company raised over $100M in Series A funding. By 2024, MSquare's revenue has exceeded $200M, reflecting its sustainable financial strategy.

Product Developments

As the demand for AI, cloud services, and automotive intelligence grows, the need for advanced IP solutions becomes increasingly crucial. MSquare offers a comprehensive and cost-effective IP library to meet diverse customer needs, including HBM, LPDDR, ONFI, UCIe, eDP, PCIe, and USB. MSquare's IP products, validated across process nodes from 5nm to 180nm, have entered mass production with five leading foundries, covering over 400 process nodes. The latest product developments are as follows:

• In October 2022, 12nm ONFI 5.0 tape-out.

• In February 2023, 12nm LPDDR4X tape-out.

• In May 2023, 6nm LPDDR5X tape-out.

• In October 2023, delivery of 12nm ONFI 5.1, 6nm LPDDR5X, and 12nm HBM3.

• In 2024, launched of 6nm UCIe 1.1 (D2D 2.0) with 32 Gbps/pin and 1 Tbps bandwidth, improving speed, bandwidth, and efficiency for high-performance computing and inter-chip communication.

MSquare has also made significant advancements in chip interconnect technology. As AI advances, memory and bandwidth demands rise, and single-chip solutions can no longer meet these needs. To address this, in 2024, MSquare focused on:

• M2LINK, a Chiplet solution based on the UCIe standard, using ML100 I/O Die technology for multi-chip interconnects to meet AI computing demands.

These technological advancements contribute to improving chip scalability and integration, meeting the demand for high-performance computing in the AI era, while also lowering manufacturing costs.

Intellectual Property and Certifications

MSquare's innovation is recognized through a robust intellectual property foundation. By the end of 2024, MSquare has achieved:

1. 78 Patents Granted:

• 49 Invention patents

• 19 Layout patents

• 10 Copyrights, and trademarks

2. 5 Critical System Certifications:

• ISO9001

• ISO26262

• ISO14001

• ISO 45001

• IP Management System

Human Resources and CSR

MSquare operates globally with offices in Shanghai, Taipei, Sydney, and San Jose, employing over 150 professionals, 80% of whom are dedicated to research and development. The company offers structured career growth opportunities and has conducted over 10 employee training programs since establishment to support professional development.

MSquare prioritizes employee well-being, has organized more than 10 employee care and engagement activities since 2022. During the COVID-19, MSquare demonstrated its social responsibility through charitable donations and relief efforts, earning recognition as the "Best Employer" in December 2023.

Corporate Marketing

MSquare Technology is building its brand reputation and increasing industry awareness through strategic marketing and communication efforts. So far, MSquare has won 30 industry awards, including "Innovative IP Company of the Year" in August 2022, "China's Top 100 Future Unicorns" & "Hard & Core Technology Innovators" in December 2023, the "Stevie Award (Startup of the Year)" in November 2024, and "EE Awards Asia (Best IP of the Year)" in December 2024. These awards show strong recognition from leading organizations and experts, confirming MSquare's role as a leader in IC IP and Chiplet solutions in China.

Conclusion

MSquare Technology has consistently demonstrated outstanding innovation in the semiconductor industry. Its impressive solutions, and growing potential make it a deserving candidate for the Most Innovative Tech Startup of the Year award.

For this category please provide

An essay of up to 625 words describing the nominated organization's innovative achievements since July 1 2022, **OR** a video of up to five (5) minutes in length illustrating the same. Describe the organization's innovative achievements in at least three (3) of the following areas: organizational management, corporate social responsibility, financial management, corporate communications, customer service, human resources and employee development, information technology, marketing, product design & development, and research & development.

Optional (but highly recommended), a collection of supporting files and web addresses that you may upload to our server to support your entry and provide more background information to the judges.

Do You Have Supporting Files You Would Like to Upload?

Yes

Audio (Mp3), Documents (PDFs, Word, PowerPoints), Images (PNG, JPG, TIF), and Video (Mp4)

200 MB Max per File

File 1

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Do You Have Website URLs you would like to link to

Yes

URL 1

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URL 10

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Terms and Conditions

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