Innodisk Corporation (Symbol: 5289) 2018 Institutional Investors Conference

Randy Chien, Chairman April 10, 2018





Disclaimer

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This file and the financial information and forecast information are based on information obtained by the company from internal and external sources. The actual operating results and financial conditions of the company may differ from these predictive sets of information due to various uncontrollable factors.

The viewpoints in this file reflects the company's opinion on the future by the current date. If there are any changes or adjustment in the future, the company is not responsible for notifying the reader or updating the content.

About Innodisk

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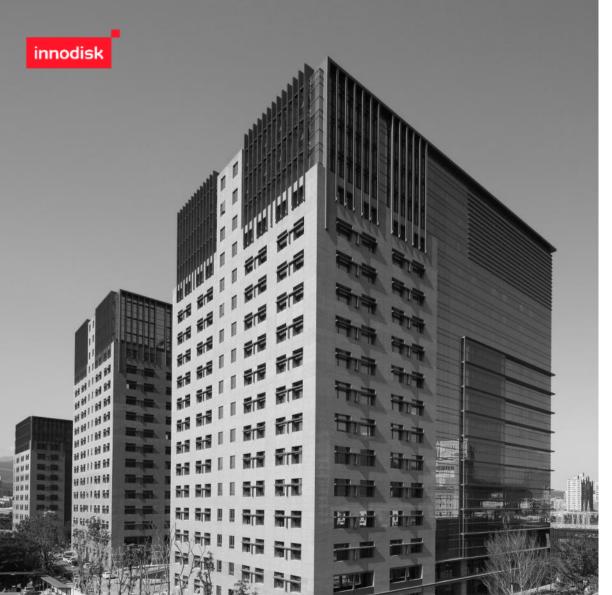
Innodisk is a service-driven provider of industrial embedded flash and DRAM modules, Server DRAM, embedded peripherals products and technologies, with a focus on the enterprise, industrial, cloud, and aerospace and defense applications.

Agenda

- Company Profile and Overview
- Product and Technology
- Market trends and strategies
- Financial information
- Q&A

Company Profile and Overview



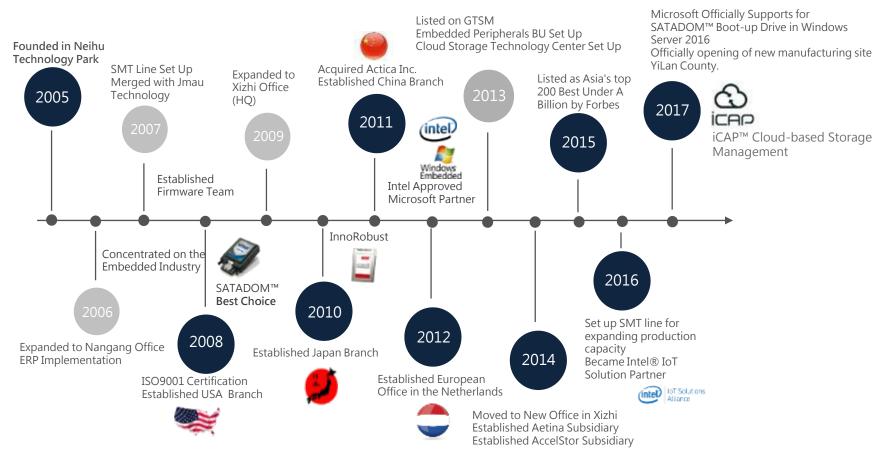


Established	2005
Capital	USD \$24.8M (2017)
Revenue	USD \$220M (2017)
Patents	82
Capacity	1,200K/M (2018)

Main products:

- Industrial SSD
- Industrial DRAM
- Embedded peripheral

Milestones





R&D and Production center





MP by 18' Q2

Area 13,000 ^{m²} Stage 1 production capacity 600K SMT x 4 Max. production capacity 1.8M SMT x 12

Product and Technology



Corporate advantages





Technical Aptitude by Design

Our advantage lies in our portfolio of hardware, software and firmware technology and how we arrange these basic building blocks into new works of innovation.

Deeply Rooted in the Market

The awareness of the pit falls and opportunities of vertical markets allow us to view the full picture when crafting the optimal solution.

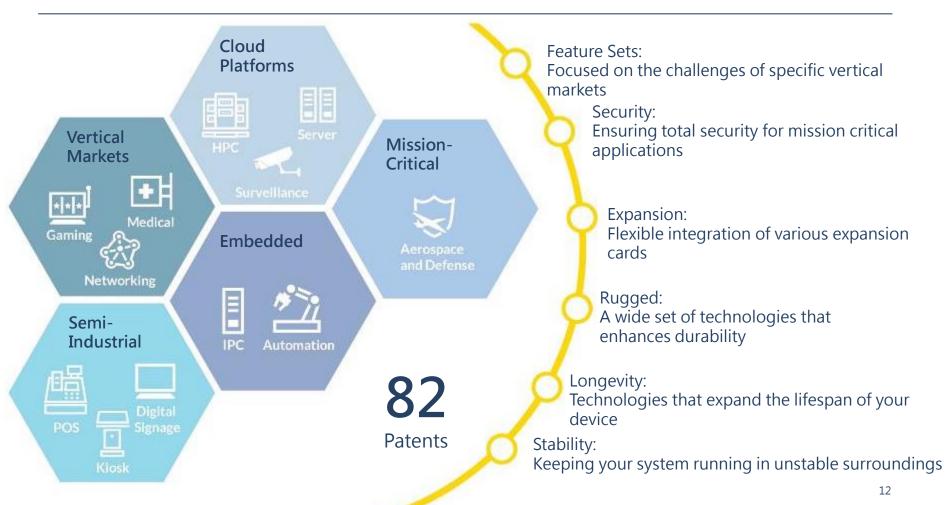




We Are in It Together

To reach the optimal solution, working together with our partner from day one is paramount. The best possible outcome can be managed by developing solutions jointly.

Applications and Technologies



Business Coverage





EΡ

mPCIe Storage / Communication / Display Modules / RAID Cards



DRAM Embedded / Wide Temp./ Coating / Server



Flash ssd/ satadom /m.2



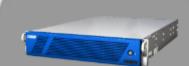
Mr. Loop

WiGig Wireless Communications



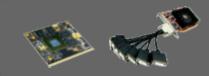
Antzer Tech

In-vehicle Communications



Accelstor All Flash Array

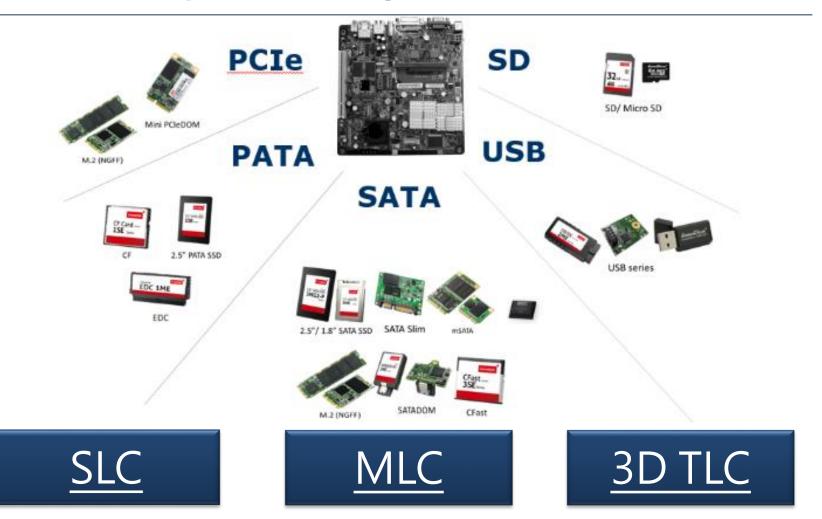




<u>Aetina</u> Industrial Graphic Cards



Flash – Complete Storage Solutions



Industrial Flash – Era of 3D NAND

2.5" SATA SSD 3TG6-P



3D NAND Products

- ✓ Complete product line
- ✓ Industrial-grade solution
 - Leading wide temp. products



Industrial Flash – NVMe product line



M.2

A rapidly growing form factor. Follow by SATA I/F, offering NVMe solution to the industrial and embedded market

CFexpress

CFexpress

Promoted by industry leaders as an excellent contender to fulfill the requirements of automation and gaming applications

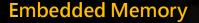


OCuLinkDOM™

Industry first OCuLink interface drive – the next generation of server boot drives



Industrial DRAM – Purpose-built Memory **Modules**



Product:

- DDR4 UDIMM
- DDR4 SODIMM
- DDR4 Very Low-profile

Feature:

- Using only the highest quality Original IC - Industry-first DDR4 2666 embedded memory

Server Memory

Product:

- DDR4 ECC Very Low-DDR4 2666 RDIMM profile
- DDR4 ECC DIMM

Features:

- Implemented ECC function
- Stringently tested with the in-house 🗐 iRam designed testing tool iRAM

DDR4 Mini DIMM

Extreme Environment Memo

Product:

- DDR4 XR-DIMM
- DDR4 WT DIMM

Feature:

- Gold finger 30µ"
- Original wide temp. IC

Industrial DRAM – The Focus of 2018



Anti-Image: Establish New Industry StandardSulfurationImage: Quality upgrade No Added Cost

2666I Launching embedded seriesLeading PositionIntel's latest platformsFull Compatibility

Wide Temp. ^{C.738*} VLP* (Very low-profile)

Anti-Sulfuration Products

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Our Advantages

The most complete DDR4 product range with anti-sulfuration features

Upgrade DDR4 product series with antisulfuration feature with no added cost

Conforms to the test standard ASTM B809-95

Optional enhancement of robustness with side fill and conformal coating is available

• Applications

- Hostile environments : Volcano, Mine pit, Air pollution, etc.

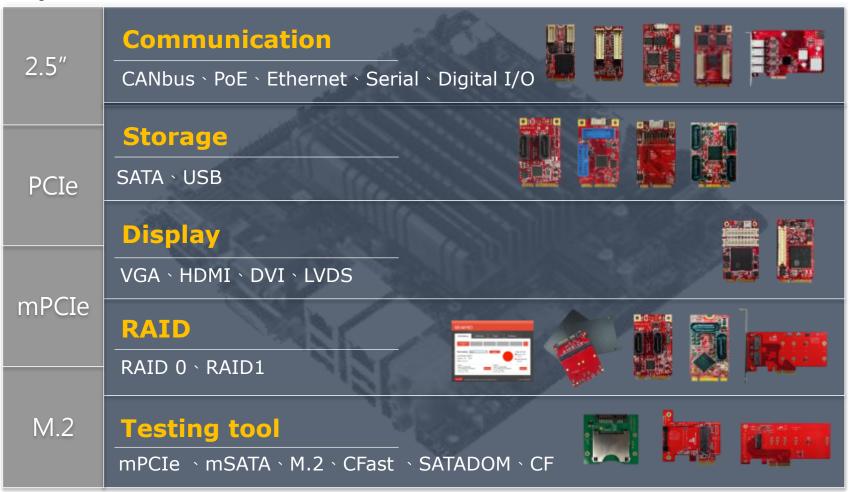


 Embedded & Server markets: Datacenter, In-vehicle, Energy, Networking, etc.



Embedded Peripheral – Complete I/O Expansion Solution





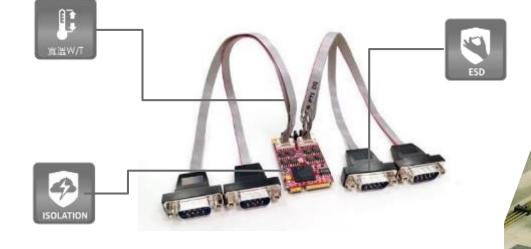
Embedded Peripheral Design Principles

H/W design

- Industrial grade components
- Safety Certification
- Wide Temp. grade

S/W integration

- Embedded operating system
- Software customization
- APP and API



Intelligent Solutions Rooted in Applications



Smarter Storage

- Optimizing for Different Scenarios & Emphasizing Customization
- Providing Integration between HW, SW and FW & offering timely surveillance data

Cloud Storage

- Centralized Management of Data, Simplified Data Gathering and Sharing
- Remote device management and operation

Challenges of the Future



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Data

Difficulty in acquiring relevant data from devices as well as sufficient information for data analysis

Storage Lifespan

How to reliably assess the deteriorating health status of storage devices

Remote Management

How to efficiently use limited information to manage widely dispersed devices

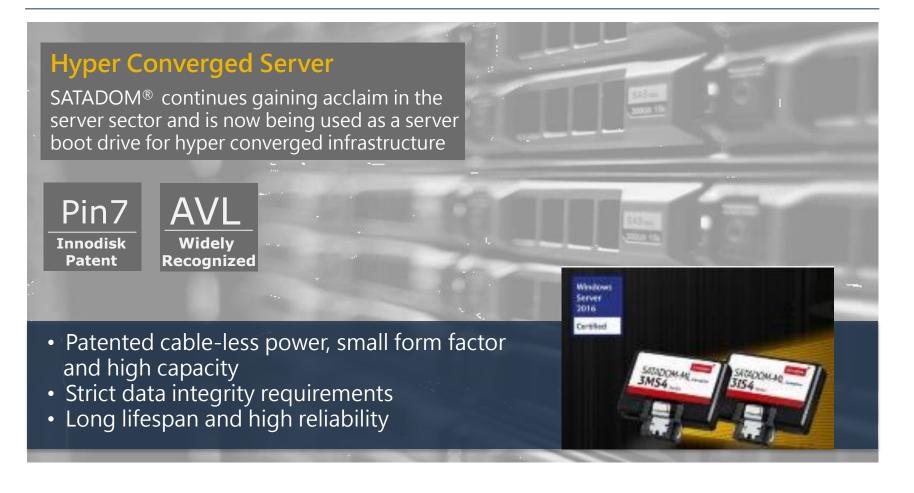
Cloud Storage Applications



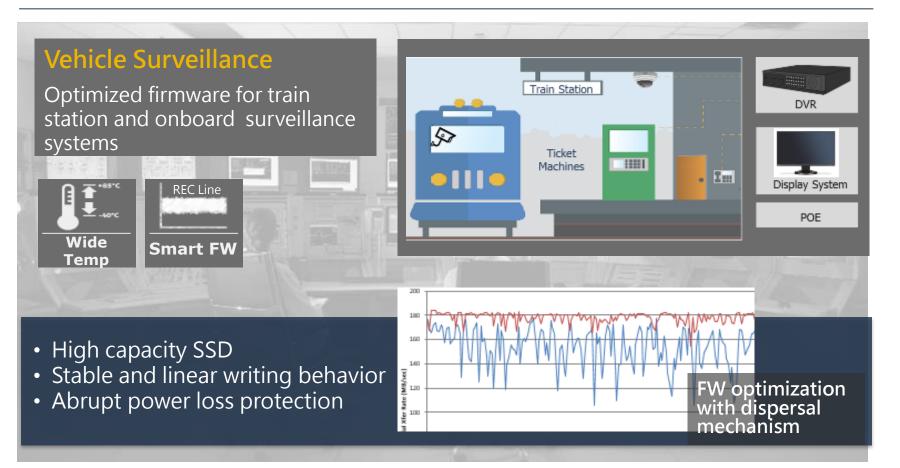


iCAP[™] is a browser-accessed management platform optimized for IoT applications. It allows for easy management of connected devices and monitoring of storage status. It can also predict remaining storage lifespan, as well as execute immediate system recovery working towards the goal of zero system downtime.

Case study – HCI (Hyper-Converged Infrastructure) innodisk

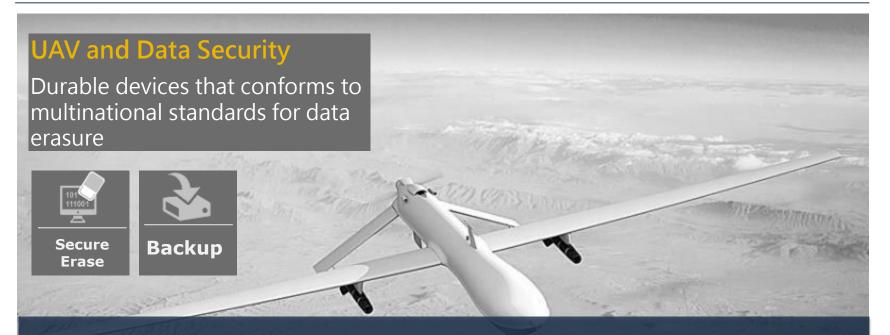


Case study – In-Vehicle & Surveillance



Case study – Defense & Security





Conforms to multinational standards for data erasure
Extreme data security and reliability
Suitable for extreme environments

Case Study – Absolute Integration





Market trends and strategies



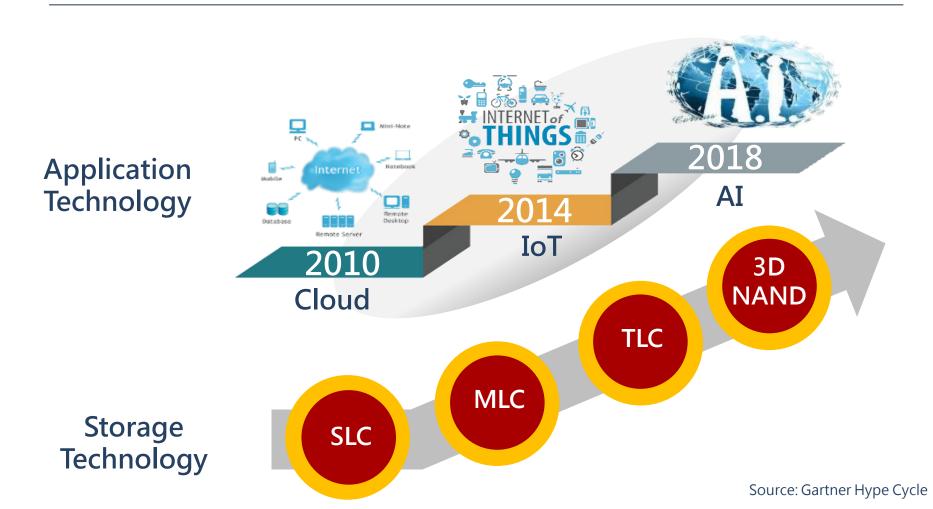
IPC Design Trends



Device Miniaturization
Digitization
Management Moving Online
Linking IoT and Big Data



Market Trends and Strategies



Market Trends and Strategies Absolute Integration





安全監控

安全監控及遺端影像監控應用服務 (VSaaS)市場,正以複合 年均増長率高達17%的速度大幅成長中,並將於2024年到達 800億美元的市場規模。

伺服器

自2016年起。機保式伺服器市場以複合年均增長率19.95%的速度成長,預計2021年全球可達905.6億美元商機。

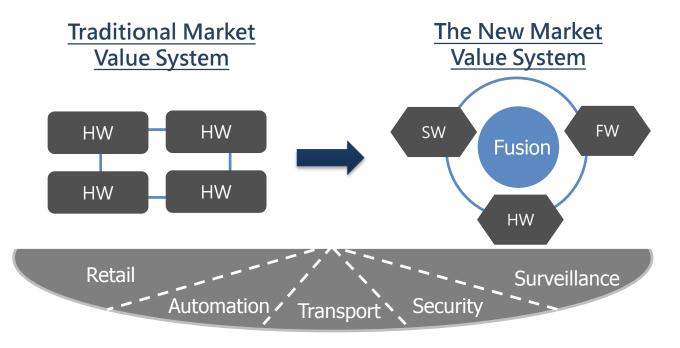
Market Trends and Strategies Absolute Integration



AI + IoT...









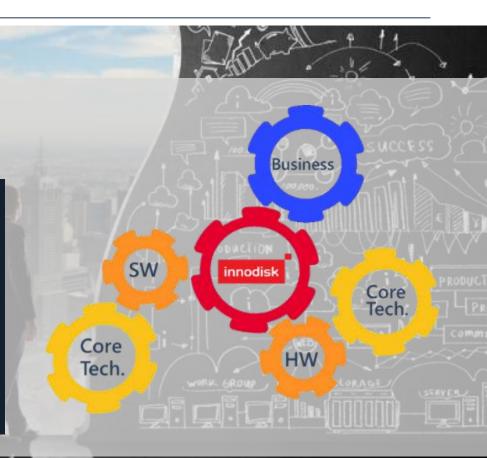
New Generation **New Thinking**

Hardware and Software Integration sw :

Cloud consolidation / predict the future FW :

Intelligent learning / unlimited applications HW :

Hardware customization / making the difference





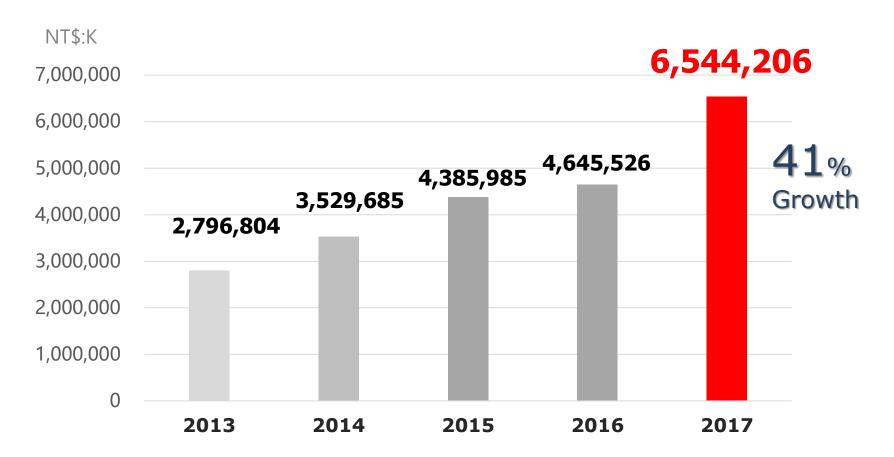
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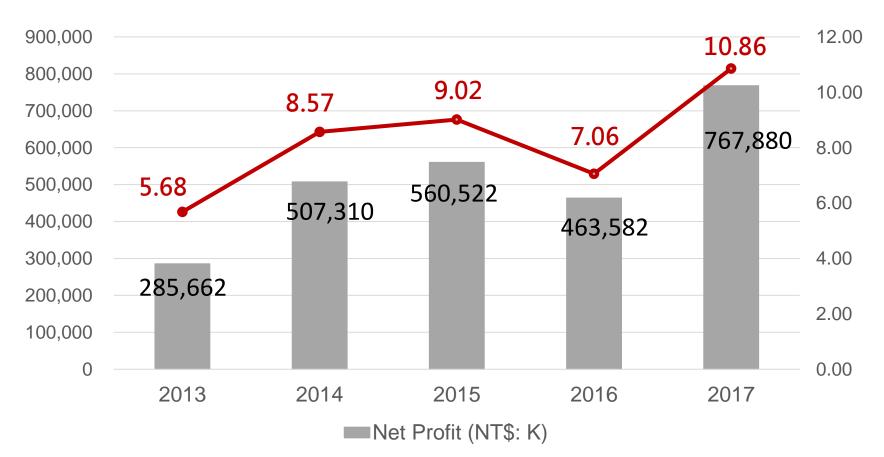
Financial information



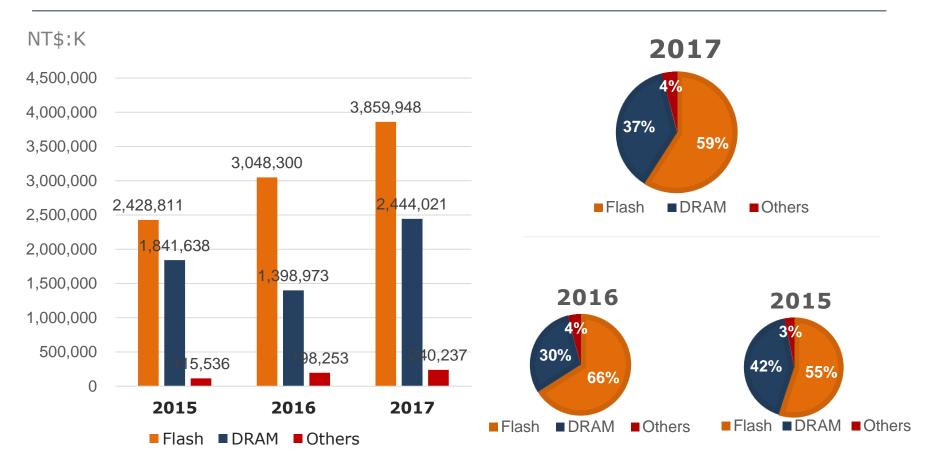
Revenues over last 5 years



Net profit and EPS over the years

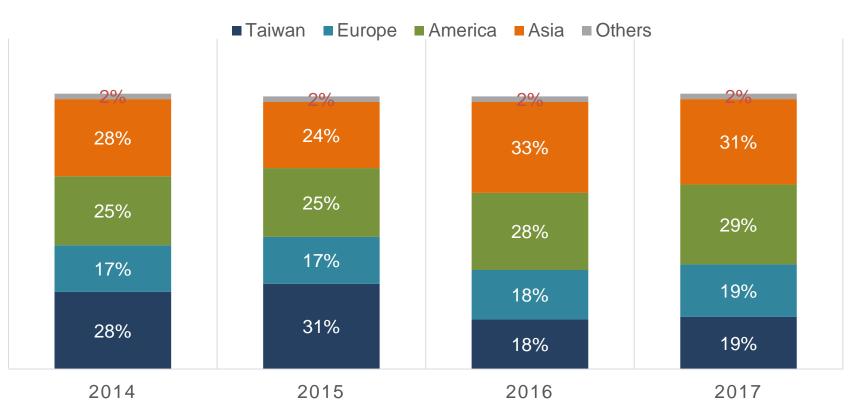


Revenue by product lines



Revenue by regions





Annual income statement



	2015	2016	2017	
Devenues				40.00/
Revenues	4,385,985	4,645,526	6,544,206	40.9%
Cost of good sold	3,177,475	3,381,202	4,770,505	41.1%
Gross profit	1,208,510	1,264,324	1,773,701	40.3%
Operation expenses	572,419	713,676	777,465	8.9%
Operation profits	636,091	550,648	996,236	80.9%
Non-operating income	20.220	(10,002)	(70,200)	212 10/
and expenses	29,230	(19,002)	(78,308)	312.1%
Profit before tax	665,321	531,646	917,928	72.7%
Income tax expense	144,637	125,762	187,067	48.7%
Net profits	520,684	405,884	730,861	80.1%
Non-controlling interests	(39,838)	(57,698)	(37,019)	
Net profit attributable to				
parent company	560,522	463,582	767,880	65.6%
EPS	9.02	7.06	10.86	
Gross margin	27.6%	27.2%	27.1%	
Operating margin	14.5%	11.9%	15.2%	
Net profit rate	11.9%	8.7%	11.2%	





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