UD info Corp.
Company Profile

2021 Q1

www.udinfo.com.tw

Company Introduction

UD info Corp. is a total-memory-solution provider on NAND Flash products and DRAM modules, focusing on industrial, medical, automotive and other applications, which inquire high reliability and longevity in supply.

Company Background

Gibson Chan Ph.D

- Founder & General Manager of UD info
- UCLA PH.D
- Vice President of Sales – Feiya
- Vice President of PM – ADATA
- Vice President – VIA Labs.

- Company Name : **UD Info Corp.**
- Industry : IPC Memory Storage
- Headquarter : New Taipei City, Taiwan
- Branches : Japan, USA, China
- Established : Year 2014

Company Milestone

2014

UD info merged AFAYA.
Primary Investor Phison joined venture with UD info.

2015

Partner with BECKHOFF GER in Automation

BECKHOFF

2016

Launched FIRST M.2 2280 & mSATA with PLP function

Set Up an office in Tokyo, Japan

2017

Set Up an office in Beijing, China

2018

Set Up an office in L.A., USA.

2019

Introduced 3DTLC NAND based products

2020

Announced products with Valued PLP feature

Introduced SSDs with FIPS 140-2.

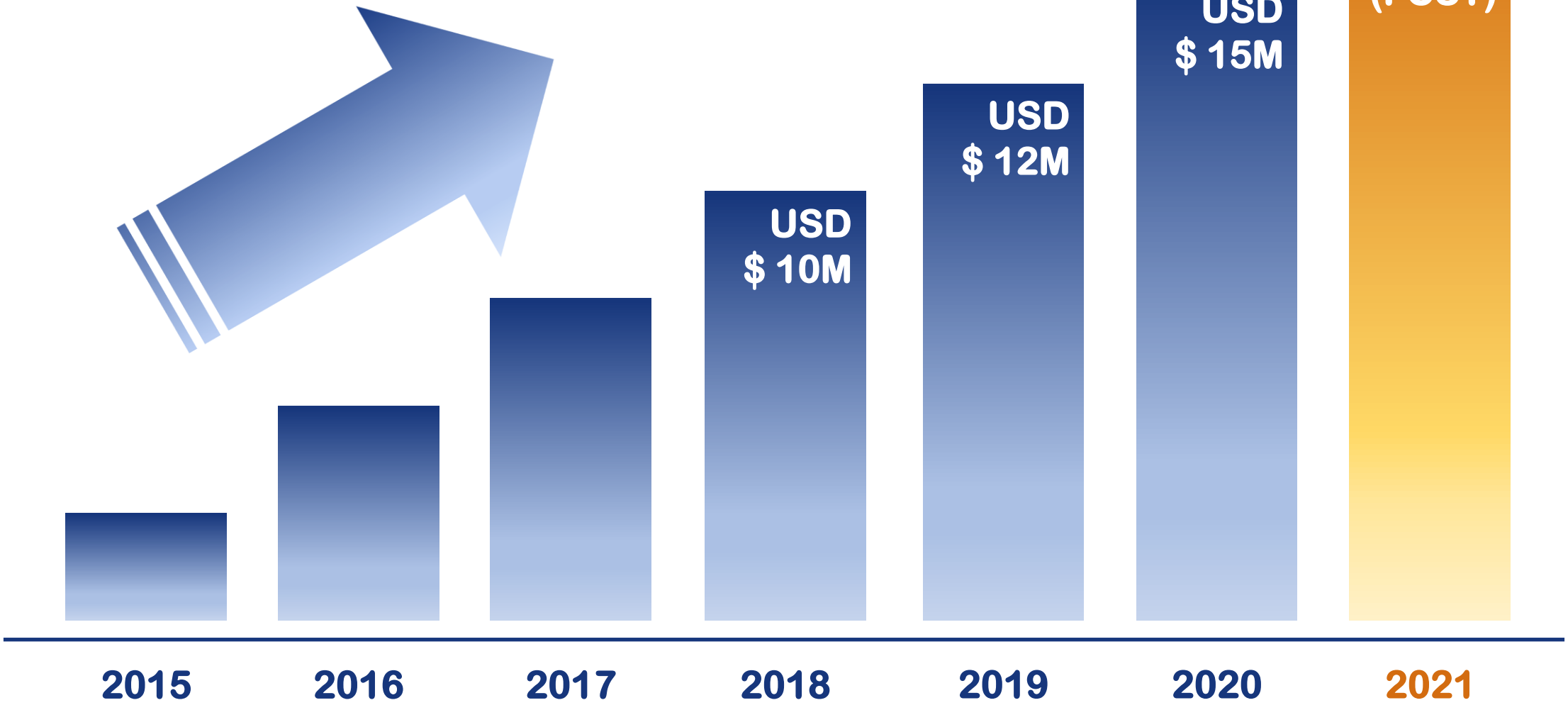
Joined AFCEA

AFCEA Corporate Member

2021

Afaya + PHISON = UD info

Sales Revenues Trend



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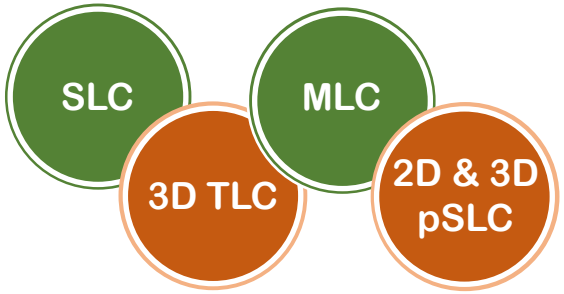
Strength

Variety Flash Options



Warranty

3+ Years Warranty & Made in Taiwan

Traceability

Complete Product Traceability for at least 5 Years

MOQ

No MOQ for Major Products

Quality Assurance

ISO9001
CE / FCC / RoHs

New Product Development

Complete Product Traceability for at least 5 Years

Fixed BOM

Fixed BOM & Setting are recorded & traceable for at least 5 years

Multiple Choice

More Than One Suggested Solutions can Support Customers' Demands

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Trusty Strategic Partners

Stable Supply Resources

KIOXIA

SAMSUNG

SK hynix

NANYA

Micron

茂德科技 ProMOS TECHNOLOGIES

Outstanding Quality and Reliability

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Innovative Technologies Integration

PHISON Knows What You Need

SiliconMotion

maxiotek

Target Application

Transportation

Security

Film Recording

Medical

Machinery

Vehicle System

Gaming

Military

Product Introduction

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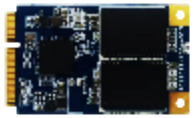
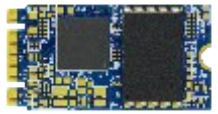
Product Lines

SATA Series



mSATA



M.2

2.5” SATA SSD

uSSD

Half Slim

CFast

SATA DOM

PATA Series

CF CARD

2.5” PATA SSD

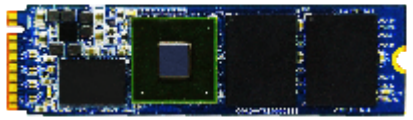
IDE DOM

PCMCIA

PCIe Series

CF Express

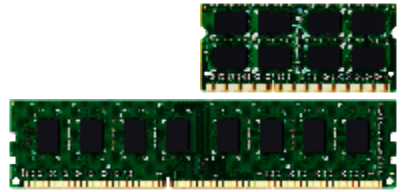
U.2



M.2 PCIe 2242 / 2280 / 22110

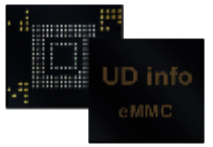
SD, USB, DRAM, eMMC

SD / Micro SD



DRAM Module

USB



eMMC

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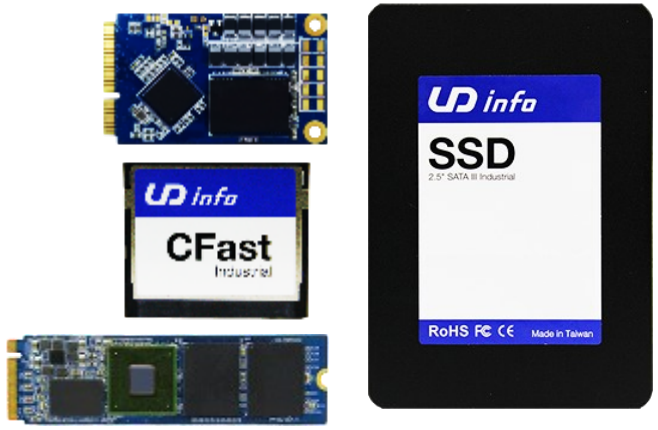
New Products

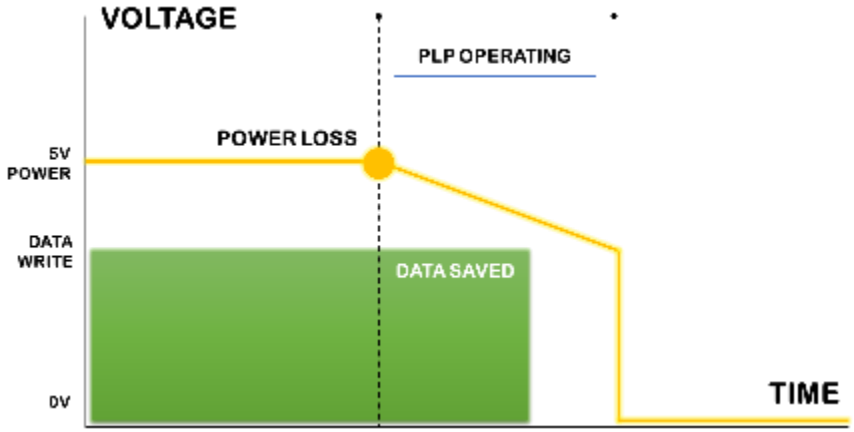
Valued PLP Solutions

UD info Valued PLP (Power Loss Protection)

- No external DRAM
- No need to Pump Up to High Voltage
- Exclusive FW with great performance.



2.5” SATA	mSATA	CFAST	M.2 SATA 2280
Up to 2TB	Up to 1TB	Up to 512GB	Up to 2TB
0 ~ 70 c & -40 ~85 c			
3DTLC & 3D pSLC are avaliable			
READY	READY	READY	Q1, 21’



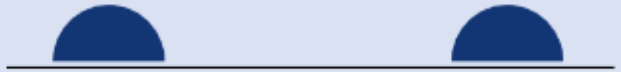
FIPS 140-2 SSD

- UD info Flash memory products which can correspond **FIPS US government standard**. (Federal Information Process Standard)
- Applied on, **2.5” SATA SSD, M.2 SATA 2280 & M.2 NVMe 2280** products
- **Security Label** is performed on 2.5” SATA SSD
- **Conformal Coating** is implement on M.2 SATA 2280 & M.2 NVMe 2280 SSD.

Special Features

Pseudo SLC (pSLC)

pSLC

NAND Types		Structure	Reliability (P/E Cycles)	Cost
2D	SLC		60000	$$$$$
	pSLC		30000	$$$$
	MLC		3000	$$
3D	TLC		3000	$
	pSLC		30000 +	$$$

- pSLC is an Ideal Alternative Solution provides Reliability & Cost Efficiency, is perfect for Heavy Write Application with Great Performance.
- Base on MLC or 3D TLC Flash to simulate SLC Performance.
- The capacity of 3D pSLC is ¼ of 3D TLC
- Reliability of 3D pSLC reaches 30K & more P/E cycles

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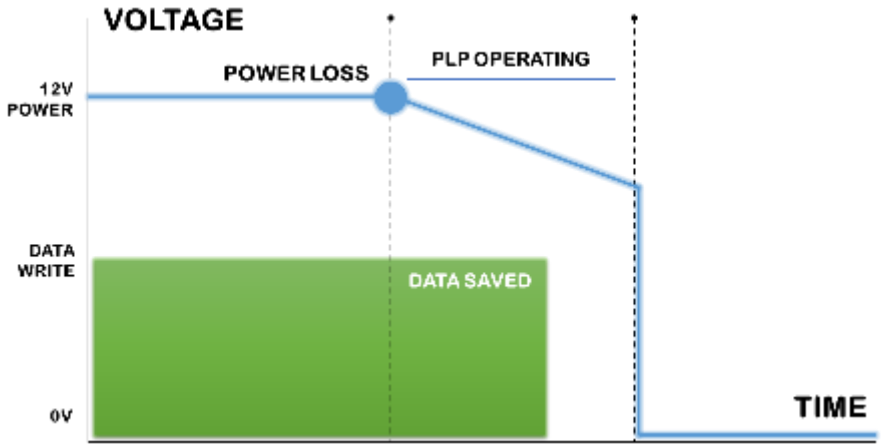
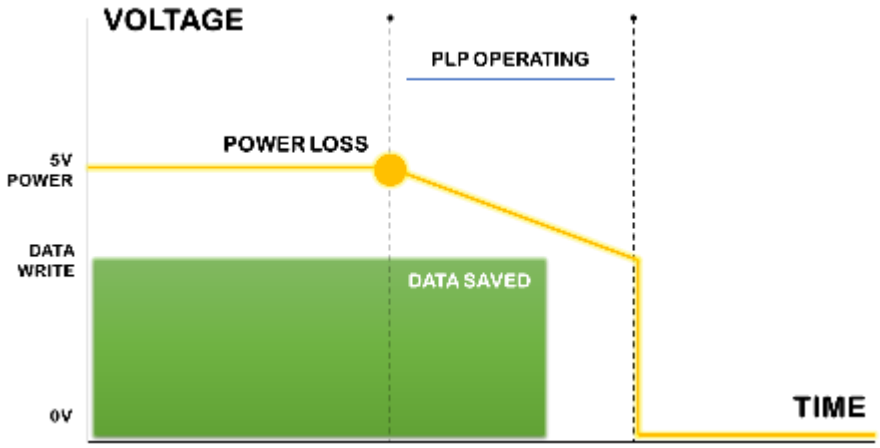
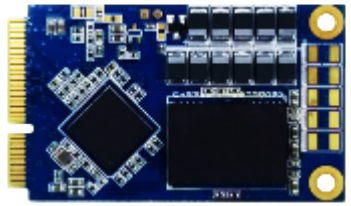
PLP Solutions







Power Loss Protection		Valued Power Loss Protection
Able to Protect System and Data	Basic Concept	Able to Protect System and Data
Yes	External DRAM	No (internal RAM)
• Need to Pump Up voltage to 12v or higher • Use High-Voltage Capacitors to Backup to NAND	Design	• No need to Pump Up to High Voltage • Use Low-Voltage Capacitors to Backup to NAND
High	Cost	Lower
2.5” SATA / M.2 SATA 2280 / mSATA	UD info Solutions	2,5” SATA / M.2 SATA 2280 / mSATA / CFast

Confidential

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Opal / AES (Security Encryption)

- Both Opal & AES protect the confidentiality of stored user data against unauthorized access once it leaves the owner's control.

- OPAL / AES Hardware Encryptions are applied on SATA interface & PCIe interface SSD.

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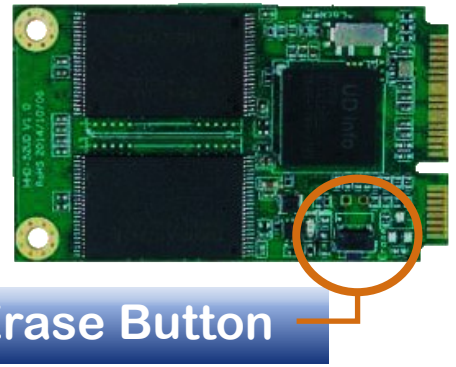
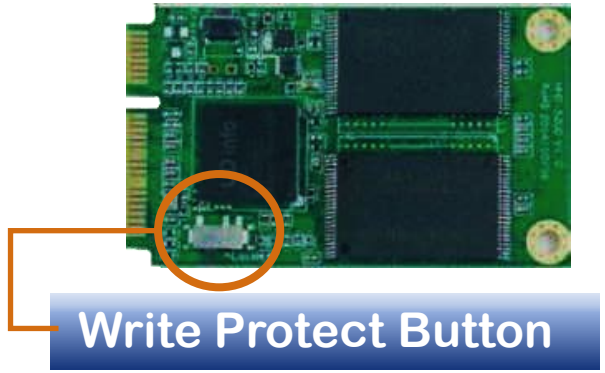
Quick Erase & Write Protect

- **Quick Erase** :
  - Hardware Push Button or Software GPIO Control
  - choose from Erase All or Erase Data to protect data.
  - Erase All Data, Tables and Hidden Area.



- **Write Protect** :
  - Read Only.
  - Hardware switch or Software GPIO Control.



S.M.A.R.T.

S.M.A.R.T

Product Info.	Health Info.	
Controller Version	• Endurance Life Ratio • Good Block Ratio	
Flash Type	• Max. Bad Block Replacement • ECC Bit Setting	
FW Version	• Total Reflash Count • Abnormal Power On Count • Max. & Avg. Erase Count	• Power Up Count • Bad Block Scan

- Self Monitoring and Analysis Report Technology to detect Health Status of the storage
- PCIe & SATA series products, SD & uSD , USB can be supported
- Windows or Linux SDK are available

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More Customizations

- Industrial Temperature Solutions
- Conformal Coating
- Connector 30μ Gold Plating
- Solutions for Automation
- Firmware & PCB Modification

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THANK YOU

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