# USB3.1 <=> UFS Bridge Controller

## Bridge Controller Helps Proliferate UFS Card in IT Products

## Session 2 (Appendix)

Tsao Chong,

CEO of Dediprog Technology

# DediProg Technology

DediProg provides professional IC programming solutions and services.

**IC programming solution of EEPROM, SPI Flash, NOR Flash, NAND FLASH, Microcontroller, eMMC, CPLD and UFS.**

**In Circuit Programmer**      **SPI Emulator**      **MCU Programmer**      **Automated Programmer**

# Began With UFS Programmer

DediProg Technology Introduces Full Series of Universal Flash Storage (UFS) Programmers and Mass Production Solutions  [English ▾]

TAIPEI, Taiwan, Feb. 20, 2017 /PRNewswire/ -- DediProg Technology, the leading provider of engineering and automated IC programmers, introduces Universal Flash Storage (UFS) programmers for engineering and high-volume mass production. The new

**Dediprog launched Nuprog-E (UFS Programmer) early 2016. Subsequently, NuProg-F8 (UFS gang Programmer) , and DP3500 for high-volume UFS Automated Duplicator.**

# Complete the UFS ECO-System

- Dediprog's launched NuProg-E, the UFS programmer featured with USB3.0 <-> UFS

- DP7000 is designed based on the NuProg-E platform

- DP7000 helps realize the benefits of UFS on USB ports



**NuProg-E,
UFS programmer**

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# DP7000
# USB to UFS Bridge Controller

**USB SS SuperSpeed**

**DP7000,**
**USB – UFS Bridge Controller**

UFS CARD

Embedded UFS

SD CARD

SD/MMC
(UHS-I)

USB <-> UFS Interface
- Read >400MB/s
- Write >250MB/s (depends on memory device)

* All product names, logos, and brands are property of their respective owners

# Potential Applications

Enjoy a different experiences with UFS Card. Let's imagine if the UFS card could be used on these applications which has USB interface . e.g. Consumer Electronics, Entertainment, Industrial, Gaming, Automotive, Office Applications….

Card Reader

PC/Tablet/Mobile Phone
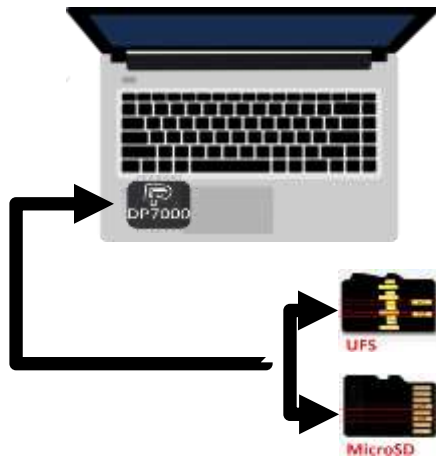
Automotive

Camera
(DSLR/DVC/DSC)

VR

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Printer

Drone

# Product Applications (Example)

**Embedded Reader (UFS/Micro SD)**

**External Reader (UFS/Micro SD)**



Notebook integrated DP7000 will support UFS card or Micro SD card data read and write in high speed.
- Run application on UFS card
- Replay HD on UFS card
- Instant backup solution
- Security features
- Backward compatible to read SD card , etc.

External reader through 5Gbps high speed USB3.0 interface to provide high performance data read and write from UFS card or Micro SD card.

# DP7000 Key Take Away

- DP7000 inherits NuProg Platform, and support full series of UFS device in the market
- DP7000 enable UFS on application which has USB interface
- DP7000 enable Read, Write speed 400MB/s, 250MB/s
- DP7000 is simple to implement and low BOM cost
- DP7000 enable both SD (UHS I) and UFS independently

**DP7000,**
**USB – UFS Bridge**
**Controller**

Thank you