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Datalight introduces "Card Trick"

flash

software

866

SunDisk (now SanDisk) introduces CompactFlash card

994

Toshiba introduces SmartMedia Memory Card (originally called Solid State Floppy Disk Card)

Information **Systems** Datalight introduces flash-based MPMan MP3 management player supporting NOR

96

SanDisk and Siemens

SaeHan

666

introduce the MultiMedia Palm introduces Card (MMC and MMCplus)

Intel introduces NOR flash chips SunDisk (now SanDisk)

Toshiba announces NAND flash

M-Systems founded and introduces the Flash Disk concept (precursor to

flash SSDs)

1 Mbit NOR

Toshiba

ships

chip

First PCMCIA flash memorybased memory card introduced

mormation Storage Devices flash-based voice recorder chip

AMD's Flash Division (later to be spun-off and merge with Fujitsu's Flash Division under **Spansion**) NOR product introduced

Fujitsu Flash Division (now merged with Spansion) NOR product introduced

M-Systems TrueFFS to be adopted later by the **PCMCIA** FTL-Flash Translation Layer

Flash (NOR management and NAND) revenues

process

0.5 micron

exceed \$1 B

announced

Casio PDA introduces the QV-11 digital camera (used flash rather than

S O

0.35 micron

and NAND in a

single driver

nash-memory

based "Palm"

process

Mitsubishi (now merged with **Renasas**)

DiNOR introduced

film or floppy)

M-Systems introduces flash-based Solid State Drives

M-Systems introduces DiskOnChip (NOR)

SunDisk changes name to SanDisk

Sony introduces the Memory Stick

First cell phones ship with flash memory

Intel ships first MLC flash memory product-StrataFlash

M-Systems introduces DiskOnChip (NAND-based)

200 mm wafers begin production

500 million flash chips ship