

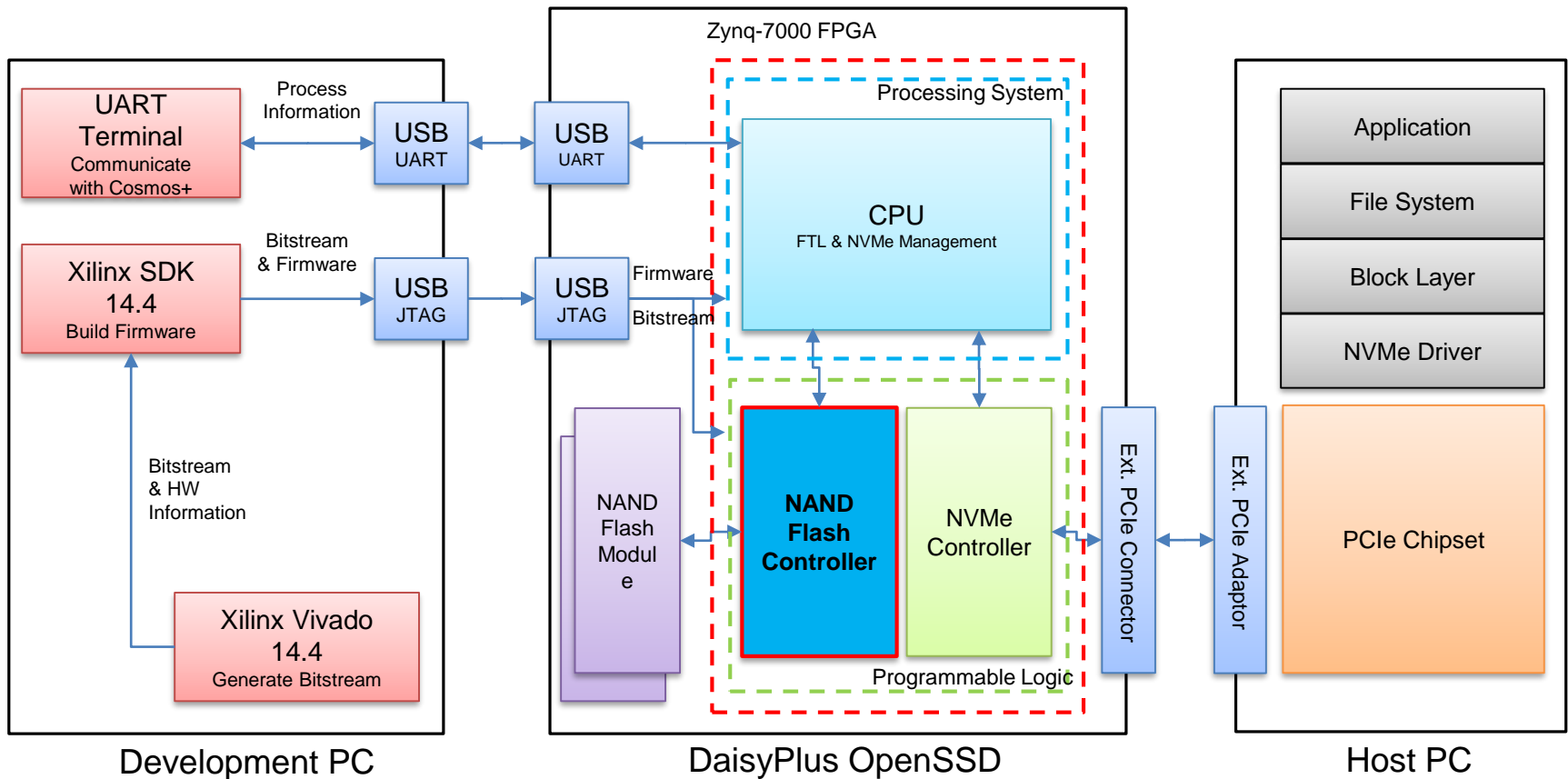
오픈소스 기반 SSD 플랫폼 개발

씨알지테크놀러지 주식회사

개 요

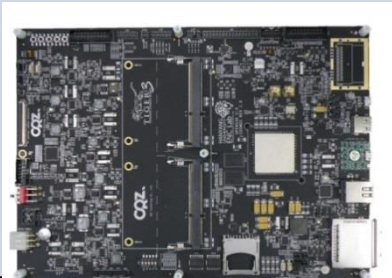

- 오픈소스 기반 SSD 플랫폼
- OpenSSD links
 - <http://www.openssd.io/index.html>
 - <https://www.crz-tech.com/crz/article/CosmosPlus/>
 - <https://www.crz-tech.com/crz/article/DaisyPlus/>
- Realistic research platform
 - Solve your problem in a real system running host applications
 - Design your own SSD controller (hardware and firmware), if possible
- Information exchange
 - Share your solution with people in society
- Community contribution
 - Open your own solution to public

OpenSSD Overview



개발 내용

- OpenSSD RTL 및 펌웨어 NAND I/F 성능 개선

	Cosmos+	DaisyPlus
		
FPGA	Xilinx XC7Z045-3FFG900 Zynq-7000	Xilinx Zynq Ultrascale+ ZU17EG FPGA
	Dual ARM Cortex-A9 1GHz Core	Quad-core ARM Cortex-A53 1.5GHz
DRAM/PS	DDR3 1GB	LPDDR4 4GB
DRAM/PL	N/A	2x DDR4 DIMMs(32GB)
PCIe	PCIe Gen2 x8	PCIe Gen3 x16
NAND I/F	2x 4-Ch 4-Way	1x 4-Ch, 4-Way
NAND Clk	100MHz DDR	50MHz -> 100MHz DDR