

~~A/~~ ~~SYB~~ SYBSC - D042

Def: FPGA - Reconfigurable hardware consisting of I/O channels, interconnections, and logic blocks.

GPU - Special processor designed to accelerate graphics rendering.

APU - combination of GPU and CPU on a single chip.

Compute Units - Group of units equivalent used for computation, equivalent to hosts in a networks.

Uses: FPGA - Hardware simulation, neural networks

GPU - Gaming, video editing, mining.

APU - Laptops

Compute Units - Parallel jobs

Adv: ~~Faster~~

FPGA - Faster implementation, programmable interconnections

GPU - Higher computational power, simultaneous processing.

APU - Low cost and low power consumption.

Compute Units - Reduces network latency, parallel computing.