

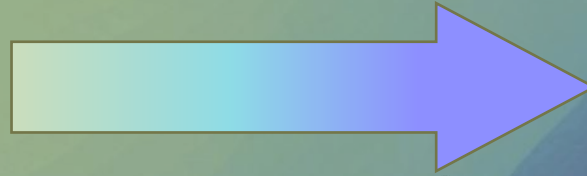


Computer system architecture

by Danylo Fetisov,
IS-83

From tubes to transistors

(banana for scale)



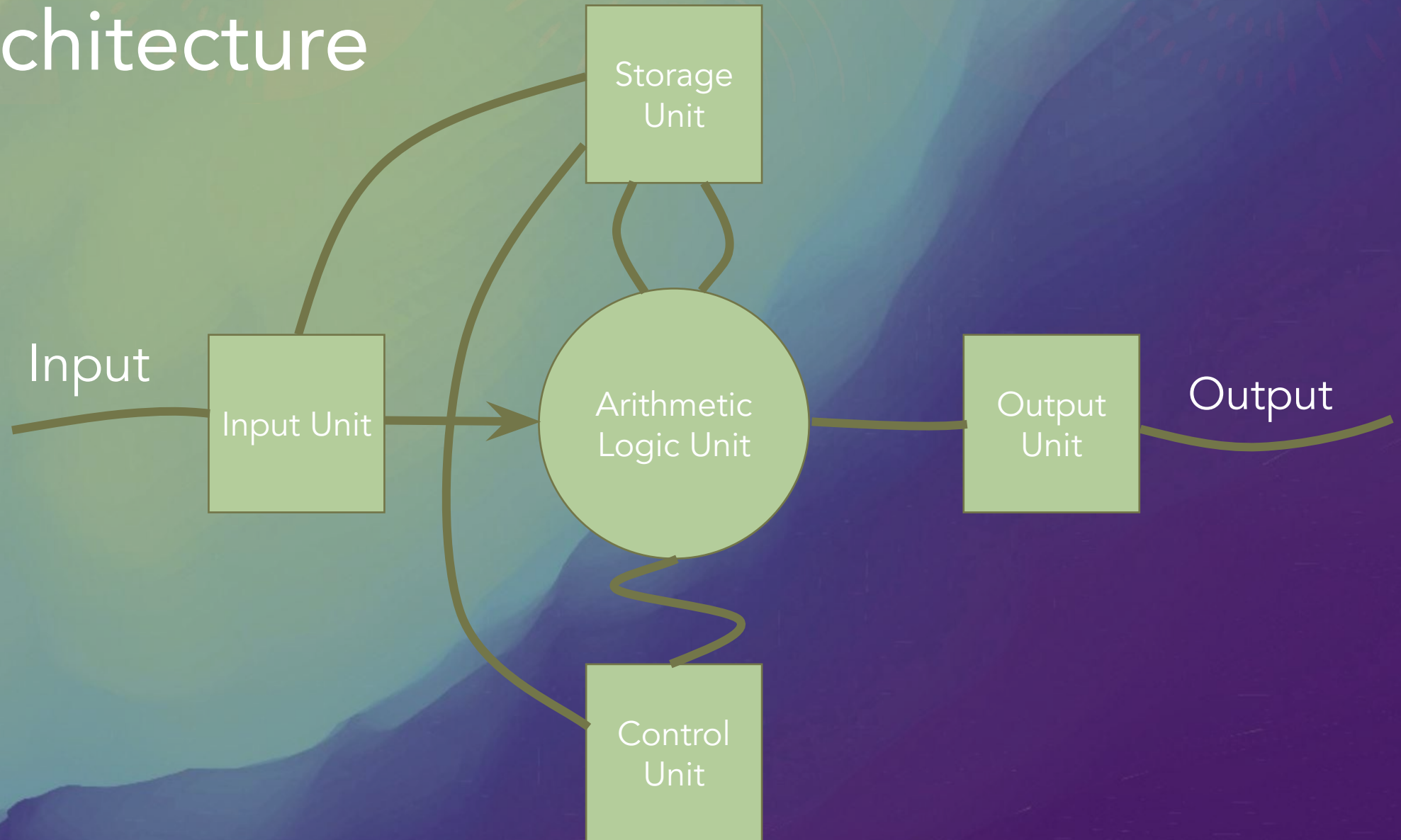
From using a Williams tube as a memory module, to multi-layered PCBs with millions of transistors on them it's clear that technology does not stand still

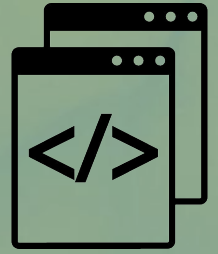
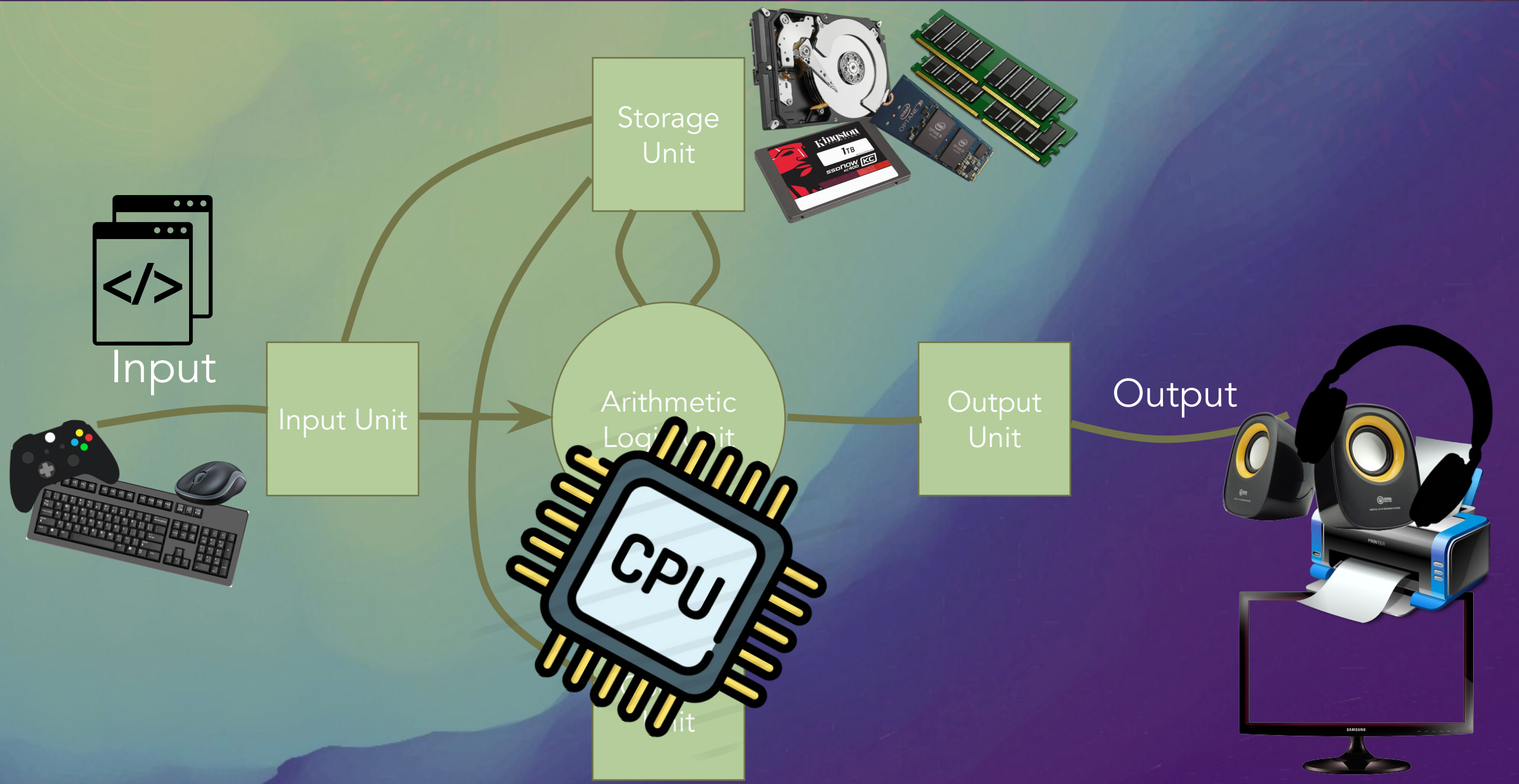
Applications of a Computer



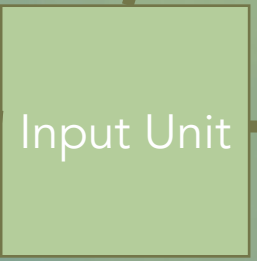
Apart from a usual 'computer' that comes to mind first, there are so-called embedded computer that can hide in any of your home appliances or other things

PC architecture





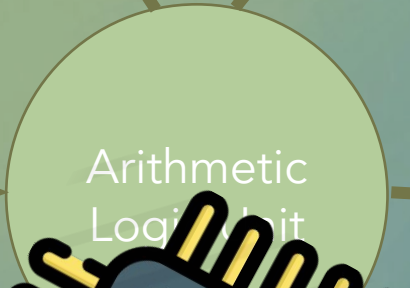
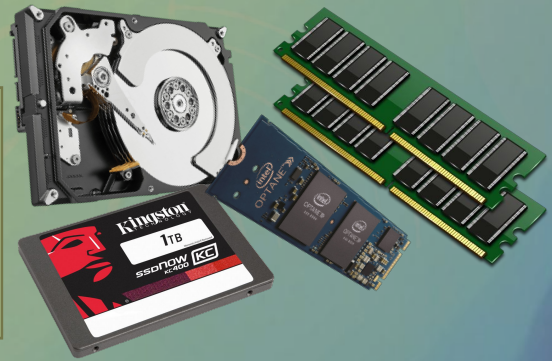
Input



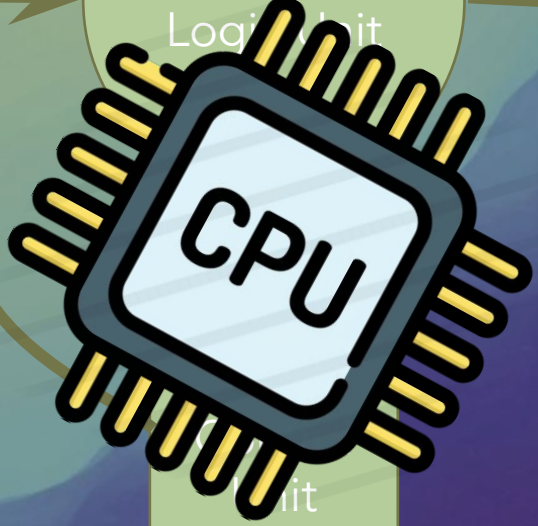
Input Unit



Storage Unit



Arithmetic Logic Unit



Unit



Output Unit

Output



Additional devices



Graphics

Additional devices

- ❖ Graphics cards
- ❖ Network adapters
- ❖ USB and SATA extensions via PCI-Express
- ❖ Other task-specific extensions

The background features a gradient from light green on the left to dark blue on the right. At the top, there are decorative circular patterns in shades of purple and red. The text "Thanks for your attention!" is centered in white.

Thanks for your attention!