

MPC: My Personal Computer

Today's "personal computers" are anything but personal. Though we use them every day, their inner workings are hidden and too complex.

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Project Information (EN)

Architecture

The M-PC architecture is made up of physical modules (circuit boards), each with its own function. Each module has input port(s) at the top and output port(s) and the bottom. These modules can be connected together to make your own "computer", personalized to your needs. There is an online simulator available too.

Sustainability

All the electronics components were manufactured in the 70/80's, and are reused/repurposed this way. Compared to modern microcontrollers, this saves a lot of energy and resources, as these old components are still abundant and usually thrown away. Not only are they still very useful on a smaller scale, but also very beautiful. Hand-drawn diagrams, schematics and circuit boards were the norm in the 70/80's, allowing for creative expression and a human touch like curved copper lines.

Language

The shapes are inspired by the inside of 80's logic chips. They reveal a silicone structure, which is still the basis for modern technology, albeit on a much smaller scale. There is no programming required (everything is analog-esque), and I developed a custom set of symbols that can be used to read the state of the machine.

Projectinformatie (NL)

Image List

Filename	Caption	Credit
closeup2-min_1755689681.jpg	Circuit logic panel.	Marijn Brussel
front-far-min_1755945953.jpg	Installation.	Marijn Brussel
switches-min_1755945964.jpg	Input switches panel.	Marijn Brussel
closeup1-min_1755945983.jpg	Output panel.	Marijn Brussel

The images above are included in the ZIP under `/images`.