

PMD 85

The **PMD 85** (***Piešťany Microcomputer Display***) was an 8-bit *personal computer* manufactured since 1985 ^[1] by Tesla Piešťany and Bratislava in the former Czechoslovakia under the leadership of Ing. Roman Kišš . It was ***intended*** primarily for use in education, mainly in Slovakia, in the Czech Republic a similar role was played by the technologically outdated IQ 151. The first versions of the PMD 85 were known for their overheating problems. After 1989, production was discontinued. The first Czechoslovak video games were created on the PMD 85 , as well as on the ZX Spectrum and Atari .

Specifications

- MHB 8080A 2.048 MHz processor
- RAM: 48 KB (model 1 and 2), 64 KB (model 2A and 3)
- ROM: 4 KB (models 1, 2 and 2A) and 8 KB (model 3)
- system monitor
- recording programs on a standard tape recorder
- possibility to connect fast tape (KZD-1) and floppy disk (MFD-85, PMD-30, PMD-32) recording devices
- possibility of connecting a peripheral device "Turtle" = similar to a mouse with a ball on top - the appearance resembles a turtle.
- TV output, video output and RGB output
- display resolution 288×256 pixels
- 1 of 4 colors on a black background for six dots next to each other (reduced brightness and flickering on TV output)
- interface for the ROM module. The ROM module with the BASIC programming language was a standard part of the computer, but more modules were developed and produced, for example, a module with Pascal , Log and others.

Version

- PMD 85-1 – 1985, Tesla Piešťany, original type
- PMD 85-2 – 1986, Tesla Piešťany, internal wiring, keyboard and software modified
- PMD 85-2A – 1987, Tesla Bratislava, larger RAM 64 KB, which overheated less
- PMD 85-3 – 1988, Tesla Bratislava, larger ROM memory 8 KB, color modulator, new microprocessor board design ^[2]

Clones and the like

In addition to the PMD 85 itself, computers compatible with the PMD 85 were also produced at this time. In the Didaktik (cs) Skalica production cooperative, these were the Didaktik Alfa , Didaktik Alfa 2 and Didaktik Beta computers . In the Štátny majokov Závadka nad Hronom cooperative, the MAŤO computer . In the Zbrojovka Brno factory , in the late 1980s and early 1990s, the very successful Consul 2717 , also called the "Zbrojováček", was produced, which was in no way a clone of the PMD-85, but a clone of the PMD85-2. It was the own design of this important manufacturer of peripheral devices: disk recorders, keyboards, dot matrix printers and data preprocessing equipment for the entire CVM. ^[source?] Anyway, the first Zbrojováček was made long before anything Tesla started doing – it was an external workstation for the PPPD Consul 271x and the resulting desktop model Consul 2715 – from which, by assembling and combining it and also cutting some parts, the Zbrojováček Consul 2717 was created.

Links

Reference

This article uses *a translation of text from the article* *PMD_85* *(*https://sk.wikipedia.org/wiki/PMD_85?oldid=1616114*) on the* Slovak Wikipedia*.*




Tesla PMD 85-1 8-bit computer



Tesla PMD 85-2A

1. PMD 85 - PMD 85 Infoserver. *pmd85.borik.net* [online]. [feeling. 2017-07-06]. Available online (https://pmd85.borik.net/wiki/PMD_85) . (Slovak)
2. FEIL, Miloslav. *Basic for PMD-85* . 1st ed. Prague: Komenium, 1988. 102 p. Chapter Deviations for the PMD-85-3 microcomputer, p. 99.

External links

-  Images, sounds or videos related to **PMD 85** on Wikimedia Commons
- Emulator of PMD 85 and its clones (<http://pmd85.borik.net/>)
- DJ Martin Schotek's website (<http://www.schotek.cz/pmd/>)
- PMD-85-1 Hardware emulator with TV output (<http://pmd85.topindex.sk/>)
- Czechoslovak eight-bit microcomputers (pdf) (http://studium.chytrak.cz/nostalgia/cs_obit_pc.pdf) – Contains a brief description of the PMD series of computers

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