

MIMOS Process Controllers

1980 - 1984 the former Ingenieurbüro Dr.G.Hoffmann developed a compound system of Process Controllers, based on Intel 8086.

Each computer included printed card boards for the 16 bit Processor 8086, only 6 MHz, 16 kByte Memory, 8 Channel 12 bit ADC, 8 Channel 12 bit DAC, Real-time Clock, IEEE488 Interface, EPROM Programmer, Frontpanel Interface.

The software included a Realtime Operating System, the IEEE488 Connection to the Host Computer AI (a japanese 8 bit PC with Basic, Fortran and a Cross-Compiler for Intel Assembler), Matrix Differential Equations, Digital Filters, Statistics Analyzer and a Frequency Response Analyzer for Nyquist Diagrams, including graphics. Last but not least: a realtime Vector Graphics System for analog screens.

In the early eighties, 8 bit 8088 PCs were coming , no 16 bit systems were available. When we started, we could not get 8 bit PCs (8088) as host computers, therefore we used this excellent Japanese machine.

Dipl.-Ing. Matthias Linhardt created all the fundamental Intel-Assembler software. The photo by Lutz Pape shows an exhibition on the Hannover Fair 1984.



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Matthias Linhardt, Gernot Hoffmann and Monika, about 1982

The famous Japanese AI Computer

Prototypes of MIMOS Process Controllers
Networks of Intel 8086 Systems

In the rear a Commodore PC

This is a scan of a small part of a 6 x 6 cm diapositive
Flatbed scanner using 1200 dpi
Rectification by ZEBRA Image Processing

Photo by Lutz Pape

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<http://www.fho-emden.de/~hoffmann/>

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