

Technical data

CPU

Intel 386EX Embedded Processor, 25 MHz

Memory

1 MB SRAM (optionally with external battery backup)
 2 MB Flash (optionally 4 MB or 8 MB)
 256 Bytes serial EEPROM
 DOS-compatible flash disk (drive C: in DOS)
 CompactFlash cards supported by operating system

Firmware

PC-compatible embedded BIOS
 BIOS extensions for Hitachi HD61202, Samsung KS0108 and Toshiba T6963C graphic LCD controller
 FreeDOS (operating system)

Interfaces

Two PC-compatible serial interfaces (3.3V levels)
 PIF-Bus (universal 8-bit bus with 64 I/O-addresses) with 5V-tolerant inputs
 I²C Bus
 Synchronous serial interface
 8 additional I/O ports as an alternative to the first serial interface
 Max. 9 interrupt inputs

Power Management

Operating voltage 3.0 V to 3.6 V (25 MHz)
 Power consumption: 140 mA at 25 MHz, 8.5mA in idle mode
 300 μ A in deep power down mode
 Software-controlled CPU clockspeed (4-25 MHz)

Miscellaneous

Unique hardware serial number

Housing

43 x 36,5 x 5 mm (CompactFlash Typ II format)

We`re here for you!

Do you have your own ideas about innovative uses for the MicroPC?

Discuss the myriad customization possibilities directly with our creative development team and put our miniature computer to work for your enterprise.



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embedded systems

MICROPC

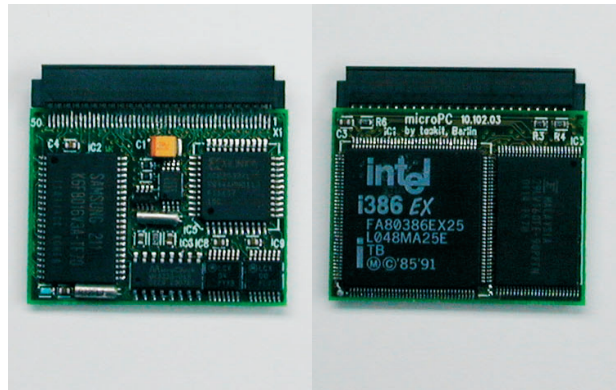


Miniature DOS PC

As the smallest DOS computer available on the market, the MicroPC is particularly suited to developing applications in limited spaces. Its compact and robust construction in CompactFlash format, as well as its versatile connection possibilities, predestine it for industrial and scientific use.

Space-saving performer

Looking for a DOS PC that can collect data or carry out control or maintenance tasks without taking up much space? Employ innovative taskit technologies in your company, e.g. for mobile data recording, control of LCD terminals, measurement and test devices, intelligent alarm systems or automatization.



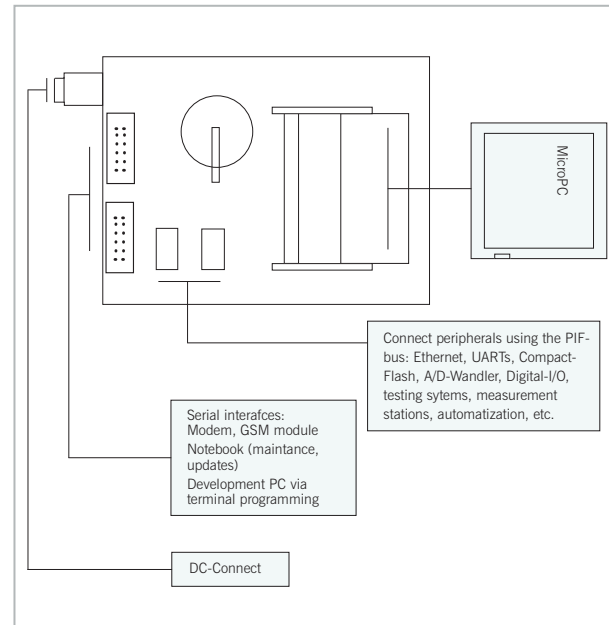
Small and powerful: The MicroPC without its protective housing

Quick start

The starter kit provides the necessary utilities for putting the MicroPC to use immediately, without additional hardware. Simply start up the MicroPC and copy data or applications to the Flash memory with the help of the VTERM terminal program, using simple DOS copy commands. The starter kit also boasts an LCD and matrix keyboard.

Connected

In the development phase and during maintenance work, the included VTERM terminal program works together with the integrated "Remote-Drive-Term" driver to map drives or folders on the host PC to the MicroPC working environment. If you do not need the remote drive functionality, you can use any terminal program to facilitate communication with the miniature computer. You can also attach an LCD or matrix keyboard to the MicroPC.



The starter kit

Proven technology inside

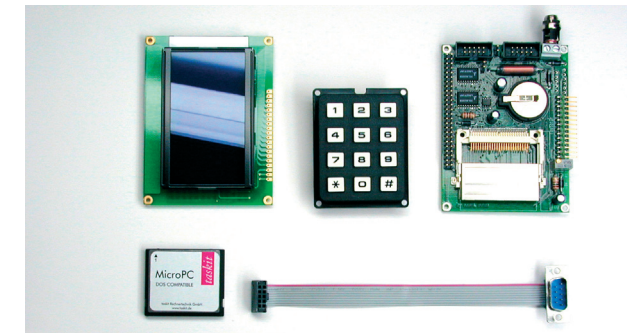
The heart of the MicroPC is the Intel 80386EX CPU. Save data quickly and securely to the integrated Flash memory. We manufacture the MicroPC using standard ICs to ensure long-term support and lasting compatibility with other components.

Variety of connections

The MicroPC proves versatile and flexible in communicating with external devices. A variety of different interfaces empowers you to connect a wide range of peripherals and makes it easy to develop and integrate your own hardware. The PIF bus in particular (a universal 8-bit bus) enables straight-forward peripheral operation and thus supports simple development of individually customized hardware solutions. Sample implementations for digital I/O, AD/DA conversion, LCD, matrix keyboard and Ethernet connection are included in the starter kit.

DOS compatible

The MicroPC is DOS compatible, enabling you to work in an established and familiar development environment. Create custom software solutions efficiently using the usual compilers (C, Pascal, Basic). Debug easily on the host PC or with a remote debugger. As the smallest DOS computer on the market, the MicroPC is especially suited for developing applications with the smallest of space requirements. Its compact, robust construction in CompactFlash format and its flexible connectivity make the MicroPC the optimal choice for industrial and scientific use.



Starter kit contents