



Technical Data

- **PC/104** industrial standard
- **CPU:**
80386SX compatible, 33 MHz
- **DRAM:**
2 MByte fixed, extendable to 4 and 6 MByte (via socket) with SOJ-DRAM
- **bootable Flash Harddisk**
Version 1: BIOS compatible:
0.9; 2.9 MByte fixed soldered
Version 2: IDE-compatible:
with chipDISK extendable up to 96 MByte
Version 1 and 2 may be installed parallel
- **IDE harddisk interface**
- **Floppy Disk interface**
- **Printer interface**
- **2 x RS232C**
- **Interface for multiline character display**
e.g. 4x20 signs. A "copy to display" function enables to display CRT information on the character display
- **Matrix touch screen** or matrix keyboard connectable up to 16x10 keys
- **Watchdog**
- **Power fail**
- **Keyboard interface**
- **Setup in flash**
- **Realtime clock**
- **Dimension:** 96x90 mm (3.8x3.6")
- **Power consumption:**
5 V, typ. 430 mA
- **Plug compatible** to MOPS/586 and therefore exchangeable
- **Temperature:**
operation: 0° to 60°C
storage: -10° to 85°C
- **Max. humidity:**
operation: 10% to 90%
storage: 5% to 95%
(non condensing)

Description

The MOPSplus (Minimised Open PC System) is a highly integrated CPU-card in the PC/104 format. In spite of the compact size all common PC interfaces are available for the usage of an embedded PC. The integrated Flash harddisk is bootable and can be used by MS-DOS as a "normal" hard disk. Therefore the system runs completely without any peripherals and is totally insensitive against mechanical and magnetical influences. To increase the service reliability an intelligent watchdog function which also supervises the bootphase of the system and a power fail switching is integrated. Because the memory of the setup parameter

resides in the flash-EPROM, the unit runs either with or without the system battery. The board can be expanded with a graphic board to use a flat panel display (PC/104-VGALCD-4) via the PC/104-bus. The integrated interfaces for an LCD character-display and a matrix keyboard or touch screen make the MOPSplus an ideal low cost All-in-one-computer for access terminals, measuring devices etc. The MOPSplus is an ideal unit to integrate a low cost PC function in compact devices (measuring systems, sales terminals, medical devices, ...)

Ordering Information

Article	Part.-No.	Description
MOPSplus	01014-0201-33-0	386SX, 33MHz, 2MB DRAM, 0,9MB Flash-Harddisk
MOPSplus	01014-0203-33-0	386SX, 33MHz, 2MB DRAM, 2,9MB Flash-Harddisk

Accessories

Article	Part.-No.	Article	Part.-No.
MOPSplus-DOC	96035-0004-00-0	FLOPPY-3,5	96009-0000-00-0
DRAM-SOJ 1x16-6	UKM416C12AJ6H4H	FLOPPY-MOPS-1	96010-0000-00-0
chipDISK 8..96MByte	Option	KAB-FLOPPY-MOPS-1	96019-0000-00-0
chipDISK-ADA1	96004-0000-00-0	KAB-FLOPPY-MOPS-1	96019-0000-00-0
KAB-MOPS-SET2	96002-0000-00-0	KAB-IDE-25	96020-0000-00-0
KAB-KB-1	96023-0000-00-0	KAB-IDE-2MM	96021-0000-00-0
KAB-DSUB25-1	96015-0000-00-0	JRC1	96047-0000-00-0
KAB-DSUB9-2	96017-0000-00-0	CONV-RS485G	96014-0000-00-0
ADA-FLOPPY-2	96001-0000-00-0		