

CE 2000



MASCHINEN,- ANLAGEN-
STEUERUNGSTECHNIK UND
SYSTEMSOFTWARE GmbH

KSP • Compact PC for Controls

Modular Euroboard PC in a rack of ½ 19"

RF-resistant rack 19" 3U/42HP with CPCI- or ISA/AT96 motherboard, Euroboard-IPC, digital- and analog I/O boards according to requirements, CF drive (option HDD), power supply, O.S. and Soft-PLC. Service add-on: small and robust LCD unit and industrial keyboard.

APPLICATION

The **KSP** was designed for industrial machine controls working non-stop 24 hours a day. The system may be headless or it uses an external operation panel (man-machine interface). The jobs are data collection, communication by WLAN, positioning of drives, master- or slave computing, management of interfaces or substitution of PLCs. Usually the **KSP** will be mounted in a switching cabinet.



DESCRIPTION

The **KSP** consists of a HF-proof ½ 19" rack, 3U high and 42HP wide. All interface connectors are placed in the front. The rack will be mounted on the plate of a switching cabinet or snapped on a mounting rail.

The computer boards are stacked on a CPCI- or an ISA/AT96 bus with 3- to 8 slots. A wide range of CPUs is available: AMD Geode 266 MHz, VIA Eden 400 MHz und Intel Celeron M 600MHz are fanless; higher performance of CPCI-CPU's up to Pentium M 2GHz are also on-hand. The RAM memory changes between 256 MB and 1GB according to requirements.

Bootable CF disks of 256 MB up to 8GB are disposable. Also a 2,5"/3,5" HDD may be added. All PC interfaces are on board; external CD-ROM- or USB devices may be plugged-in. The graphics adapter provides a TTL or LVDS interface and the power supply is selectable from 24V DC or 85-265V AC.

OPTIONS

There are several PC components to be integrated: PC card, Modem, WLAN, additional interfaces and digital/analog peripheral boards. MASS also offers various operation panels plus small and low price service equipment for software updates or debugging.

The O.S may be WIN XP, XP embedded, Linux, DOS or a RTOS. Also drivers, a software-PLC or an application program may be installed. The system will be tailored to clients' demands at pieces of > 25 / year.

HIGHLIGHTS

- Modular fanless IPC dedicated for industrial control applications with permanent operation.

- ½ 19" rack of 3U, mountable on the plate of an industrial switching cabinet.

- Integrated CPCI- or ISA/AT96 bus board with 3- to 8 euroboard slots and scalable CPU-power.

- AMD Geode 266MHz- to Intel Pentium M 2GHz, bootable CF Disk, PC-card or HDD for choice.

- Power supply 24VDC / 95-265VAC, front plates, interface connectors and cable sets as necessary

- Peripheral I/O boards or components selectable i.e. additional interfaces, modem, field bus, WLAN.

- Operation system according to requirement, WIN XP, XP embedded, RT OS, DOS or Linux.

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