

CE 2000



MASCHINEN,- ANLAGEN-
STEUERUNGSTECHNIK UND
SYSTEMSOFTWARE GmbH

PBX • Euroboard - PowerBox

19"/3HE Rack containing a modular IPC

19" 3U/28 or 42HP wide racks containing an Euroboard-IPC with CPCI or ISA/AT96 bus, 3-8 slots, HD/CF disk drive and power supply 24VDC or 85-264VAC; O.S. WIN XP / XP-e, mountable on a plate or by snap-on rail.

■ APPLICATIONS

The **PowerBox** was designed for industrial machine control purposes, for headless applications as well as for using an external man-machine interface, for data collection, communication by WLAN, positioning of drives, master- or slave computer or to substitute PLCs.

Usually the **PowerBox** will be mounted in a switching cabinet.



■ DESCRIPTION

The **PowerBox** consists of a HF-proof 19" cassette, 3U high and 28- or 42 HP wide. All interface connectors are placed in the front.

The computer boards are stacked on a CPCI- or an ISA/AT96 bus with 3-, 5- 7- or 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 512 MB and 1GB according to the CPU. Bootable CF disks of 256 MB up to 8 GB are disposable. Also 2,5" - or 3,5" HDDs may be added. All PC interfaces are on board; external CD-ROM- or USB sticks may be plugged-in. The graphics adapter provides an output of TTL or LVDS and the power supplies are selectable from 24V DC or 85-265V AC.

■ OPTIONS

Several PC components can be added: PC-card, modem, WLAN, additional interfaces and digital/analog peripheral boards. The **PowerBox** system may be configured according to special needs of our customers at orders of >25 pieces per year.

These O.S. may be installed by MASS: WIN XP, XP embedded, Linux, DOS or a RTOS; also standard application software like soft-PLC and drivers.

■ HIGHLIGHTS

■ Modular fanless IPC dedicated for industrial control applications and permanent operation.

■ 19" racks of 3U height; 42- or 28 HP width and mountable on a plate or a snap-on rail.

■ 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 and/or PC-card-/HDD for choice

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

■ Peripheral I/O boards or components: additional interfaces, modem, field bus, WLAN etc.

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

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