

CE 2000



MASCHINEN,- ANLAGEN-
STEUERUNGSTECHNIK UND
SYSTEMSOFTWARE GmbH

PMS • PC based machine control

Rack 19"/3U with IPC, LCD and keyboard

RF-resistant rack of 19"/3U/84HP containing a modular Euroboard IPC, 6,4" TFT-Display, a 30 key membrane keyboard, CF-or FDD, HDD, power supply 24VDC or 85-264V AC and the O.S. WIN XP or XP embedded.

APPLICATION

The **PMS** was designed for industrial machine controls working non-stop 24 hours a day. The system uses an internal operation panel (LC display + keyboard). The jobs are data collection, communication by WLAN, positioning of drives, master- or slave computing functions, management of interfaces or substitution of PLCs. Usually the **PMS** will be mounted in a switching cabinet or a desktop 19" housing.



DESCRIPTION

The **PMS** consists of a RF-proof 19"rack 3U high and 84HP wide. All interface connectors are placed in the rear plates. The rack will be mounted a 19" switching cabinet. The front plate contains a 6,4" LC-display 640x480 pixel and a 30-key membrane keyboard. Also there is a slot for a Compact Flash or PC-Card or FDD memory, USB or PS/2 keyboard plug + several status LCDs.

The computer boards are stacked on a CPCI- or an ISA/AT96 bus with 3 - 10 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 256MB and 1GB according to requirements.

Bootable CF disks of 256 MB up to 4GB are disposable. Also a 2,5" or 3,5" HDD may be added. All PC interfaces are onboard; 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

Additional PC components may be integrated: PC-Card, Modem, WLAN, additional interfaces and digital/analog peripheral boards. The system may be configured according to clients' demands if the amount of pieces to deliver is >25 per year at minimum of 5 pcs. per order.

HIGHLIGHTS

- Modular fanless IPC dedicated for industrial control applications with permanent operation.
- 19" rack of 3U/84HP, mountable in the front frame of an industrial switching cabinet.
- Integrated CPCI- or ISA/AT96 bus board with 3 to 10 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, RTOS, DOS or Linux.

M A S S GmbH

An der Rosenhelle 4
D-61138 Niederdorfelden

Tel.:+49(0)6101/4076-0
Fax:+49(0)6101/4076-20
e-mail : info@mass.de
URL : www.mass.de