

CE 2000



MASCHINEN,- ANLAGEN-
STEUERUNGSTECHNIK UND
SYSTEMSOFTWARE GmbH

C P S • Compact PCI - System Machine control rack with Euroboards 3U

84HP rack equipped with CPCI backplane 8 Slots, CPUs from Pentium M 1,1GHz up to Pentium M 2GHz, UXGA graphics with LVDS interface, CFD or HDD, peripheral I/O boards, power supply, WIN XP, XP-e, Linux, RTOS.

APPLICATION

The CPS was dedicated for modular control applications of industrial machines with demanding requirements: Employed for measuring and data collection, communication by WLAN, positioning of drives, performing master- or slave computer functions, communication or to substitute PLCs. The rack may be mounted in 19" switching cabinets with the front fastening angles (see picture) or it may be fastened on a plate.



DESCRIPTION

The CPS consists of a standard rack 19"/3U/84HP equipped with a CPCI-backplane (8 slots) and a power supply 24V DC or 85-265V AC INPUT, + 5V and +12V DC OUTPUT. There are several CPU boards available with different processors up to Pentium M 2GHz and a RAM memory of max. 1GB

The processor and graphic chip is populated with a heat spreader or heat sink up to clock frequencies of 1 GHz without any fan; higher clock rates will require a fan. Among UXGA graphics with TTL- or LVDS interface there are a bootable CF drive, EIDE, 2xUSB 2.0, Ethernet 10/100 MBps on board as well as all usual PC interface connectors.

Harddisks in the formats 2,5" or 3,5" are available ranging from 40 to 160 GB. The backplane offers space for a maximum of 7 peripheral boards. All the connectors are mounted in 19" front plates.

OPTIONS

On request there are numerous PC components to be integrated: PC-Card, modem, WLAN, additional interfaces, digital or analog peripheral boards. The system will be configured exactly to the client's specifications or needs at orders >25 pieces per year.

Also the software image may be installed for a ready-to start system using WIN XP, XP embedded, Linux or a realtime O.S. with drivers and utilities.

HIGHLIGHTS

- CPCI boards used for high performance systems.

- Applications are in the sectors military, railway, aircraft and telecom.

- Dedicated for high availability and running „non-stop“.

- Processors of the INTEL industrial roadmap up to Pentium M 2GHz

- Equipped with UXGA graphics, bootable CFD, USB 2.0, fast ETH, HDD.

- Several interfaces available of almost every general type.

- Power supply 24V DC or 95-265V AC for choice; power switch, filter, LEDs.

- Operation systems WIN XP, XP embedded, Linux, RTOS.

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