

CE 2000



MASCHINEN,- ANLAGEN-
STEUERUNGSTECHNIK UND
SYSTEMSOFTWARE GmbH

KOM • Communication system IPC in a 19"-Rack with built-in TFT display

Standard rack 19"/3U/84HP with built-in TFT display, touch screen; modular IPC with Ethernet and USB; modem; hub; patchfield and power supply.

APPLICATION

The **KOM** was designed for modular communication applications including an operation-, visualisation- and test system. It is used for master functions when connected to several slave systems. The master collects all data of the slaves for preprocessing and storage. The system is mounted in a 19" switching case.



DESCRIPTION

The **KOM** consists of 3 units in a cassette each: The operation & visualisation unit (42HP) combined with the power supply, the CPU cassette (36 HP) and the patchfield sector (8HP). All modules are mounted separately from each other for quick and independent changing.

The Display unit is composed of a 6,4" VGA TFT-Display with a glass screen or a resistive touchscreen and the backlight inverter. This unit got a separate power switch in order to shut down the display during permanent operation. The power supply is equipped with a filter, a system power switch and a selectable power input of 24V DC or 85-264V AC.

The CPU unit is made up from a singleboard computer (Euroboard with changable ETX-CPU module), added by an 8 channel Ethernet switch and a modem. The PC connectors of PS/2 keyboard/mouse, USB, Ethernet, external VGA and several status LEDs are placed in the front panel. Also there is a separate power switch for modem and hub.

The patchfield is an easy wiring unit to plug on the slave modules.

OPTIONS

The fanless ETX CPU module may be changed easily from AMD Geode 300MHz to VIA Eden 400 MHz or Intel Celeron M 600MHz. These boards will be stacked on the MASS ETX baseboard EBE.

They contain 256/512MB RAM, a bootable CompactFlash disk of 256MB up to 8GB and a connector to install a 2,5"- or 3,5" Harddisk drive. Also there are another 2xCOM, LPT, USB and FDD connectors available. Windows 2000, WIN XP, XP-embedded or Linux may be installed.

HIGHLIGHTS

- TFT display with 6,4" in diagonale, 640x480p (VGA resolution), 500:1 contrast and 256 000 dsplayed colors.

- Integrated ETX-baseboard, skalable CPU: AMS Geode 266MHz up to Intel Celeron M 600MHz.

- Bootable CF memory + 2.CF board ontop of the Geode CPU plus PC- card drive and / or a 2,5" HDD.

- Fanless system working permanent at temperatures of 0...55°C without mechanical abrasion.

- Power supply to select from 24VDC or 95-265VAC; display to operate in sleep mode (backlight off).

- Selectable O.S.: DOS, WIN NT, WIN 98/2000, WIN XP, and XP embedded, (Linux on request).

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