# Cabinet computer in "book format"
# – with up to four free slots –

Operation, observation, visualizing, controlling: Being particularly tailored to the concerns of automation technology, the industrial computer family of MSC Tuttlingen covers all industrial requirements.

PC-based control, the control by an industrial computer, will push away the classical PLC more and more. This requires a computer, that is mounted at the original mounting place of the PLC: in the cabinet.

Connection ports as well as drive units are conveniently accessible and therefore provide an expedient installation of the systems.

The TERMINAL of MSC operating and visualizing unit is suitable to operate a machine "on site".

BASIC1

# Technical Data

| | | Board IPC479 |
|---|---|---|
| Cooling | | Speed controlled system fan, CPU fan |
| Housing / Protection class | | Mechanically stable, robust system-unit cover made of galvanized sheet-steel to be installed in cabinet. IP 20 (build-in unit) |
| Baseboard / CPU | | All-In-One-Board with socket 479 – Intel 82855 GME –<br>• Celeron M 370 1.5 GHz<br>• Pentium M 745 1.8 GHz<br>• 32/64 MB frame buffer (shared memory)<br>• Watchdog for system safety |
| Memory | | Up to 2 GB DDR-RAM |
| Drive unit | | • Hard disk 2½ " ≥ 60 GB<br>• DVD-R or DVD-RW (option) |
| Interface | | • Fieldbus (optional, alternative to COM3 / COM4) CANopen, InterBus, PROFIBUS<br>• Audio modul AC97 (option)<br>• 2 Ethernet (RJ-45 socket): 1x 10/100 Base-T, 1x 10/100/1000 Base-T<br>• COM1 / COM2 as RS 232, VGA<br>• COM3 / COM4 (option) as RS 232, RS 485/422 or 20 mA (TTY)<br>2x PS/2 for mouse and keyboard connection<br>• LPT1 (option)<br>• 4 USB 2.0<br>• DVI (option) |
| Passive backplane | | 1 or 4 free PCI slots [1)] |
| | | [1)] Depending on the application respectively system configuration, please note possible restrictions regarding the electrical power supply for the slot cards. |
| Supply voltage | | 24 VDC (18...36 VDC) |
| Power consumption | Max. | 115 W |
| | Typ.[2)] | 33 W |
| | | [2)] These information correspond to the basic version. |
| Ambient temperature | | +5 ºC to +45 ºC |
| EMV | interference emission | EN 61000-6-4 |
| | interference resistance | EN 61000-6-2 |
| Shock load in operation | | EN 60068-2-27 |
| Oscillating load in operation | | EN 60068-2-6 |
| Mechanical dimensions | | Technical drawings are available as a supplement at www.msc-tuttlingen.de. |
| Operating system | | Windows® XP Prof. MUI |
| Endurance test | | 48 h Burn-In |
| Test certificate | | CE, UL 508 |

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