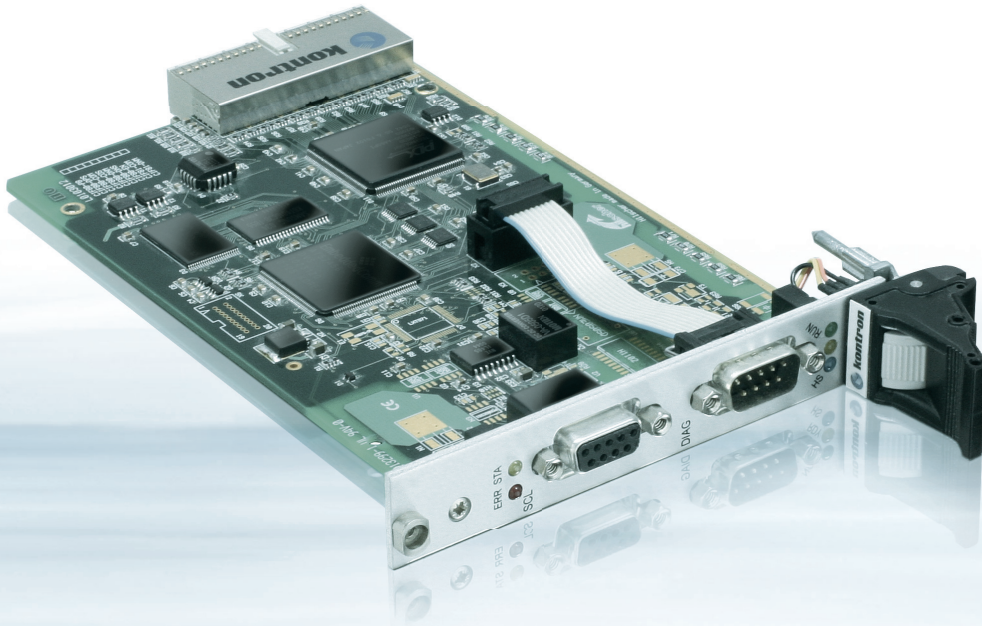


# CP353

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## ADVANCED PROFIBUS CONTROLLER FOR FIELDBUS APPLICATIONS

- ▶ PROFIBUS DP V1 master (class 1 and 2)
- ▶ highly integrated EC-1 ASIC with Siemens ASPC2 profibus technology
- ▶ diagnosis interface RS232
- ▶ from the leading manufacturer of fieldbus modules:  
Hilscher Gesellschaft für Systemautomation GmbH

POSSIBILITIES START HERE



## CP353

### ADVANCED PROFIBUS CONTROLLER FOR FIELDBUS APPLICATIONS

Built for use in rugged industrial environments, the CP353 fully complies to the EN50170 standard. It features the versatile communications System on Chip EC-1, combining a powerful microprocessor with on-chip memory and all the required communication peripherals.

The comprehensive feature set of the integrated System on Chip, EC-1, comprises a powerful Turbo 186 CPU and a Siemens ASPC-2 controller providing a high-speed Profibus interface for DP V1 mas-

ter (class 1 and 2) and slave applications. All standard baud rates up to 12 MB are supported, whereby the onboard computing power fully releases the host CPU of handling the protocol stack. This intelligent concept ensures high system performance and data throughput. The Application Programming Interface (API) is based on an easy to use dual ported memory interface ensuring the same programming for all supported operating systems. Configuration of a Profibus network is an easy task using the system configurator: SyCon-PB®.

#### ► TECHNICAL INFORMATION

|                       |                                                                                                                  |                                                                                                                                                                                                                                                                                        |
|-----------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| COMPACTPCI® INTERFACE |                                                                                                                  | PICMG 2.0 Rev. 3.0 compliant<br>32 bit/33 MHz<br>3.3/5.0 V compatible                                                                                                                                                                                                                  |
| CHARACTERISTICS       |                                                                                                                  | High performance communication System on Chip (SoC), EC-1, integrating Siemens ASPC-2 technology<br>Profibus DP V1 master (class 1 and 2)<br>Optoisolation between the controller and the fieldbus interface<br>9,6 kBaud to 12 Mbaud transfer rate                                    |
| SOFTWARE SUPPORT      |                                                                                                                  | Microsoft Windows® 2000, Windows® XP<br>Linux®<br>VxWorks®<br>OPC Server<br>Profibus system configurator: SyCon-PB®                                                                                                                                                                    |
| COMMON                | FRONT PANEL<br><br>POWER CONSUMPTION<br><br>DIMENSIONS<br>TEMPERATURE RANGES<br><br>OPERATING HUMIDITY<br>WEIGHT | Standard 9-pin D-Sub Profibus connector compliant with EN50170<br>9-pin D-Sub RS232 diagnosis interface<br>0.5 W (typ.) 5 V DC<br>1.65 W (typ.) 3.3 V DC<br>100 x 160 mm (3U card size)<br>0°C to +60°C (standard)<br>-25°C to +70°C (storage)<br>0% to 95 % (non-condensing)<br>130 g |

#### ► ORDERING INFORMATION

| ARTICLE       | PART NO. | DESCRIPTION                                                                 |
|---------------|----------|-----------------------------------------------------------------------------|
| CP353         | 24083    | CompactPCI® Profibus DV V1 master (class 1/2) module, with docu and drivers |
| SYCON-PB      | 24128    | System configurator software for Profibus networks or Windows 95/NT/2000/XP |
| LIN-DRV-CP353 | 30130    | Linux Driver CP353 for x86                                                  |
| VXW-DRV-CP353 | 26154    | VxWorks Driver CP353                                                        |

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