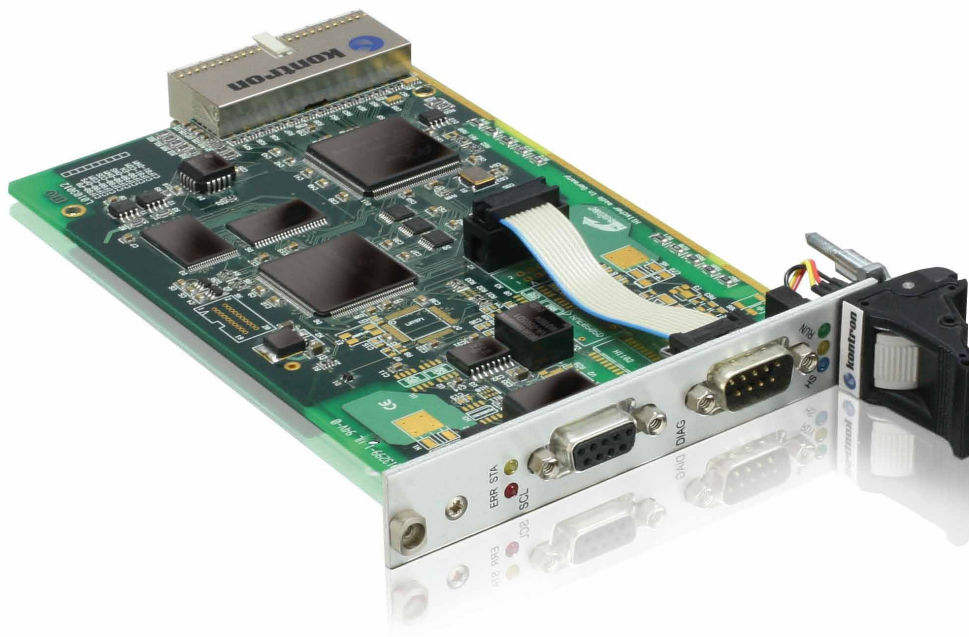


# » CP353 «



## 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 mbH

# 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 master (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

<b>CompactPCI Interface</b>	PICMG 2.0 Rev. 3.0 compliant 32 bit/33 MHz 3.3/5.0 V compatible
<b>Characteristics</b>	High performance communication System on Chip (SoC), EC-1, integrating Siemens ASPC-2 technology Profibus DP V1 master (class 1 and 2) Optoisolation between the controller and the fieldbus interface 9,6 kBaud to 12 Mbaud transfer rate
<b>Software Support</b>	Microsoft Windows® 2000, Windows® XP Linux® VxWorks® OPC Server Profibus system configurator: SyCon-PB®
<b>Common</b>	
Front panel	Standard 9-pin D-Sub Profibus connector compliant with EN50170 9-pin D-Sub RS232 diagnosis interface
Power Consumption	0.5 W (typ.) 5 V DC 1.65 W (typ.) 3.3 V DC
Dimensions	100 mm x 160 mm (3U card size)
Temperature Ranges	0 °C to +60 °C (standard) -25 °C to +70 °C (storage)
Operating Humidity	0% to 95 % (non-condensing)
Weight	130 g

### Ordering Information

Article	Order-No.	Description
<b>CP353</b>	24083	CompactPCI Profibus DV V1 master (class 1/2) module, with docu and drivers
<b>SYCON-PB</b>	24128	System configurator software for Profibus networks for Windows 95/NT/2000/XP
<b>LIN-DRV-CP353</b>	30130	Linux Driver CP353 for x86
<b>VXW-DRV-CP353</b>	26154	VxWorks Driver CP353

### CORPORATE OFFICES

#### Europe, Middle East & Africa

Oskar-von-Miller-Str. 1  
85386 Eching/Munich  
Germany  
Tel.: +49 (0)8165/ 77 777  
Fax: +49 (0)8165/ 77 279  
info@kontron.com

#### North America

14118 Stowe Drive  
Poway, CA 92064-7147  
USA  
Tel.: +1 888 294 4558  
Fax: +1 858 677 0898  
info@us.kontron.com

#### Asia Pacific

17 Building,Block #1,ABP.  
188 Southern West 4th Ring Road  
Beijing 100070, P.R.China  
Tel.: + 86 10 63751188  
Fax: + 86 10 83682438  
info@kontron.cn

