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®.

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### Technical Information

**CompactPCI Interface**
- PICMG 2.0 Rev. 3.0 compliant
- 32 bit/33 MHz
- 3.3/5.0 V compatible

**Characteristics**
- High performance communication System on Chip (SoC), EC-1, integrating Siemens ASPC-2 technology
- Profibus DP V1 master (class 1 and 2)
- Optical isolation between the controller and the fieldbus interface
- 9.6 kBaud to 12 Mbaud transfer rate

**Software Support**
- Microsoft Windows® 2000, Windows® XP
- Linux®
- VxWorks®
- OPC Server
- Profibus system configurator: SyCon-PB®

**Common**
- **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

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### Ordering Information

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<td>24083</td>
<td>CompactPCI Profibus V1 master (class 1/2) module, with docu and drivers</td>
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<td>System configurator software for Profibus networks for Windows 95/NT/2000/XP</td>
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<td>LIN-DRV-CP353</td>
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**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