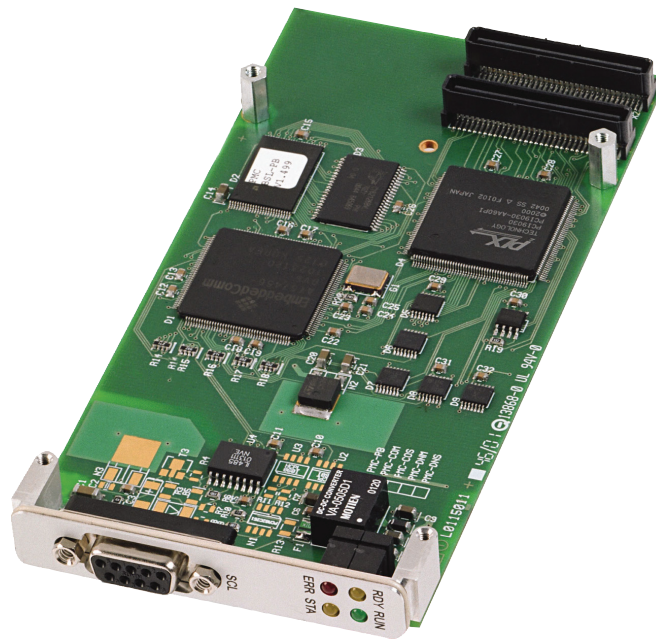


» PMC253 «



Advanced PROFIBUS Controller for Fieldbus Applications

- » Highly integrated EC-1 ASIC with ASPC-2 technology
- » Profibus DP V1 master (class 1/2)
- » Up to 12 MBaud transfer rate

PMC253

Built for use in rugged environments, the PMC253 fully complies with 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) 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

PMC Interface	Compatible with P1386 specification v2.0 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) Optoisolation between the controller and the fieldbus interface 9,6 kBaud to 12 Mbaud transfer rate
Common	
Front Panel	Standard 9-pin D-Sub Profibus connector compliant with EN50170
Power Consumption	0.5 W (typ.) 5V DC 1.65 W (typ.) 3.3V DC
Dimensions	149mm x 74mm
Temperature Ranges	0°C to 60°C, standard -25°C to +70°C, storage
Climatic Humidity	0% to 95% (non-condensing)
Weight	70 g
Software Support	Support for Windows®, Linux®, VxWorks® Profibus System Configurator: SyCon-PB®

Ordering Information

Article	Order-No.	Description
PMC253	24081	Profibus PMC module DP V1 master (class 1/2), with documentation and drivers
SYCON-PB	24128	System configurator software for Profibus networks
VXW-DRV-CP353	26154	Development package VxWorks for CP353/PMC253, for VxWorks versions 5.5 and 6.2

Note: Please contact your local sales representative for other configuration options.

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



#PMC253# 02102012WMM
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