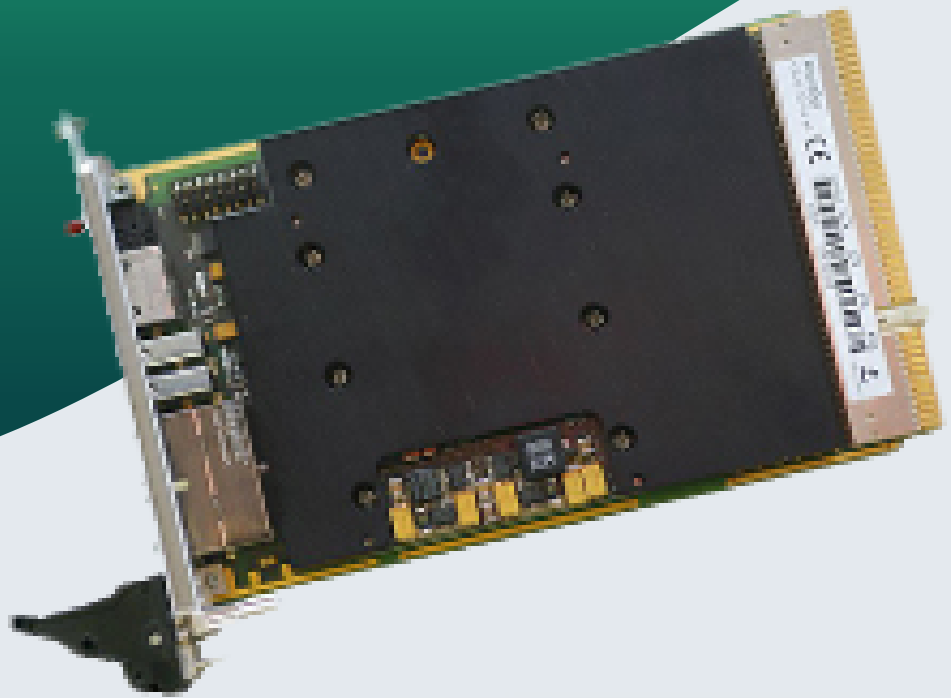CPCI

miriac® CPC8548

Low power dissipation and high performance SBC

Highlights

- 3U cPCI CPU Carrier Board

- MPC8548 with e500 Power PC Core

- Double-precision floating point APU

- Extended Temperature Range (option)

NXP Gold
Partner

Product Description

Due to its low power dissipation and high performance the CPC8548 is a good alternative to x86-based products. The cPCI miriac® SBC has an auto slot 1 detection and supports hot swapping. The frontside offers two Gigabit Ethernet ports and a RS232 port. Internally there is a CompactFlash slot available.

Features

CPU	
Processor:	MPC8548 with e500 Power PC Core
	512 kB L2Cache
	Double-precision floating point APU
	3065 MIPS@1333 MHz (estimated Dhrystone 2.1)
DRAM:	up to 1 GB DDR II SDRAM (with ECC)
Memory	
Flash:	up to 32 MB Flash
Operating Condition	
Power Supply Voltage:	Single 3,3 V
Temperature:	Standard Temperature Range 0 °C to 70 °C
	Extended Temperature Range (option)
Mechanical	
Formfactor:	3U cPCI CPU Carrier Board
Software / Additional	
Software Support:	VxWorks, Linux, OS-9

General Note:

Our standard product versions offer what we consider to be the optimum configuration in terms of performance, price, usage and TDP. The product features lists specify the maximum range of functions per interface. However, not all interfaces or functions are always available in parallel. Flexible SERDES multiplexing is one of the reasons for this. In addition, we provide multiple memory expansion options and are also happy to accommodate specific customer wishes. So do not hesitate to contact us directly to discuss your desired configuration.

Order Info

Name	Code	Description	Status
miriac® CPC8548	83xxxx	1.33 GHz, 1 GB DDR2 w ECC, 32 MB NOR Flash, 0° to 70° C, w/o SEC	EOL

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