MicroSys
Creating Embedded Systems

CPCI

miriac® CPC8349

Low power dissipation and high performance SBC

Highlights

- 3U cPCI CPU Carrier Board

- MPC8349E based on e300 Power PC Core

- 1260 MIPS (at 667 MHz) integrated DDR Memory Controller

- Auto Slot 1 Detection

- VxWorks, Linux, OS-9

NXP Gold Partner

Product Description

The cPCI miriac® SBC has an auto slot 1 detection and supports hot swapping. The frontside offers two Gigabit Ethernet ports, two USB 2.0 ports and a RS232 port. Internally there is a CompactFlash slot available.
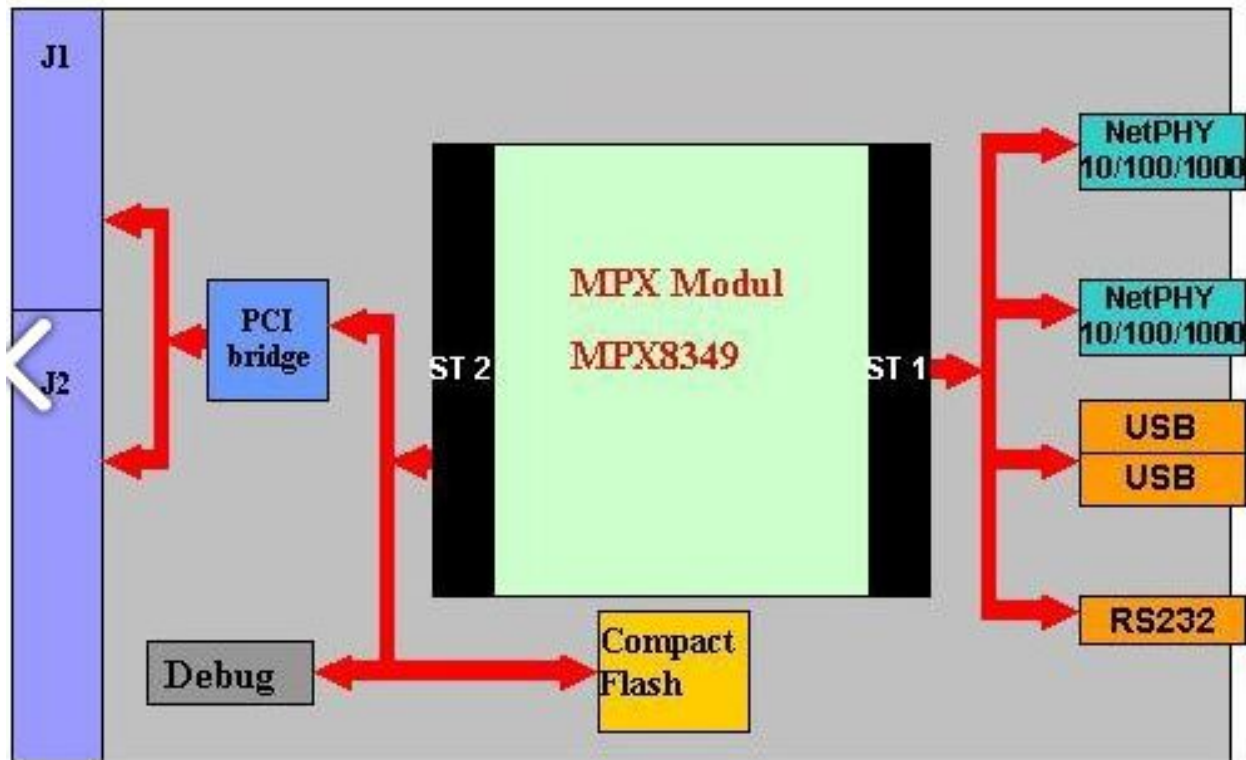
Features

CPU	
Processor:	MPC8349E based on e300 Power PC Core
	1260 MIPS (at 667 MHz) integrated DDR Memory Controller
DRAM:	up to 256 MB DDR SDRAM (ECC supported)
Memory	
Flash:	up to 32 MB Flash
High Speed IO	
SerDes lanes:	64/32-bit PCI
USB 2.0:	2x USB 2.0 Schnittstellen (Front)
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
Additional:	Auto Slot 1 Detection
	64/32-bit PCI
	Hot Swap supported

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.

Block Diagrams

miriac® CPC8349

Order Info

Name	Code	Description	Status
miriac® CPC8349	834601	0.667 GHz, 256 MB DDR w ECC, 16 MB NOR Flash, 0° to 70° C, w/o SEC	EOL
	831501	MPE03 MPX Header Pin Adapter Board 208 Lines	EOL

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