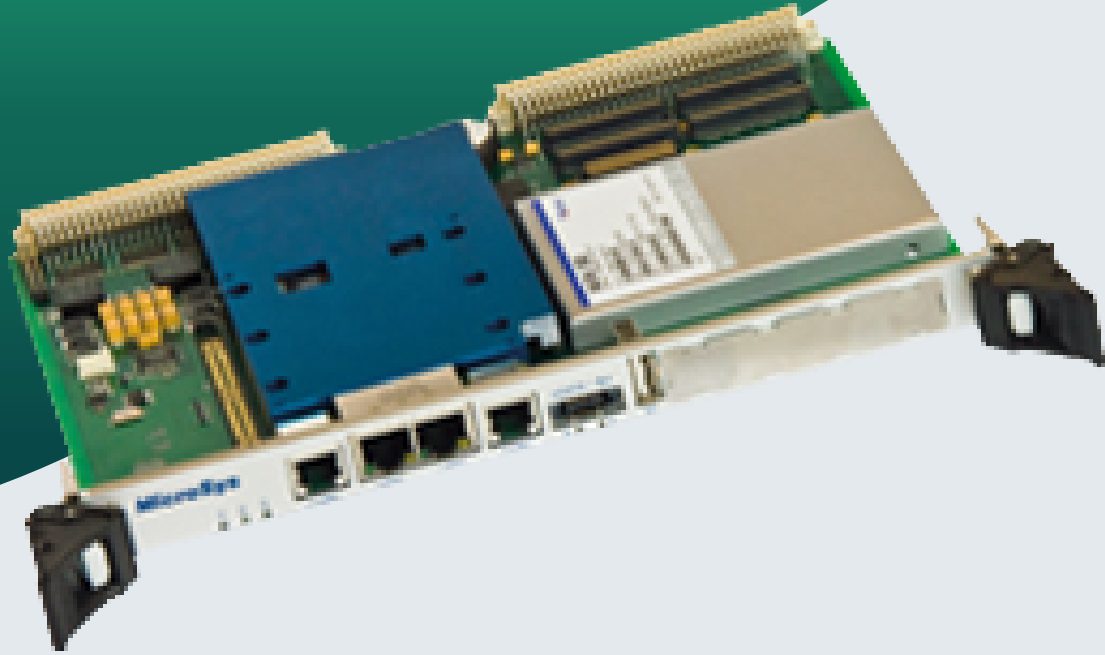**MicroSys**
Creating Embedded Systems

VME

miriac® VME1013-1022

Power Architecture NXP® QorIQ®-PowerPC

Highlights

- 6U VMEbus CPU Board, 2eSST VME-Bus interfaceature

- Conforms to VMEbus specification ANSI/IEEE STD1014-1987- and ANSI/VITA 1-1994eature

- NXP® QorIQ® single core P1013 or P1022 dual core CPU, up to 1.0 GHz core speed

- up to 2 GB DDR2-soldered ECC RAM and up to 512 MB NAND Flash memory

NXP   Linux   yocto PROJECT

NXP Gold Partner

Product Description

The product family addresses applications from low performance and power requirements up to high performance multi core usage profiles. The VME1013/1022 boards are operated by a QorIQ® P1013 single core or P1022 dual core processor. The boards are specified for rugged and harsh environmental conditions and versions for the extended temperature range of -40 °C to +85 °C are available on request.

Features

CPU	
Processor:	NXP® QorIQ® P1013 single core or P1022 dual core CPU, up to 1.0 GHz core speed
DRAM:	up to 2 GB DDR2-soldered ECC RAM
Memory	
Flash:	up to 512 MB NAND Flash memory
Flash Card:	1x microSD card connector
Graphic	
HDMI Interface:	1x HDMI on Front Panel
High Speed IO	
USB 2.0:	2x USB on Front Panel
SATA:	1x eSATA on Front Panel
SATA:	1x SATA interface for standard 2,5" on board mountable mass storage devices
Operating Condition	
Temperature:	0 °C to 70 °C, optional ext. temp. -40 °C to 85 °C
Mechanical	
Formfactor:	6U VMEbus CPU Board, 2eSST VME-Bus interface
Formfactor:	6U VMEbus CPU Board, 2eSST VME-Bus interface
Software / Additional	
Software Support:	Linux, Microware® OS-9, VxWorks, others on request
Additional:	CPU temperature monitoring

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® VME1013	839203	QorIQ®, 1.2 GHz, 1 GB DDR2 w ECC, 4 MB NOR Flash, 256 MB NAND Flash, 0° to 70° C, w/o SEC	EOL
miriac® VME1022	839204	2 QorIQ®, 1.2 GHz, 2 GB DDR2 w ECC, 4 MB NOR Flash, 256 MB NAND Flash, 0° to 70° C, w/o SEC	EOL

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