

miriac® VME1013-1022 (EOL)

Power Architecture NXP® QorIQ®-PowerPC

- 6U VMEbus CPU Board, 2eSST VME-Bus interface
- Conforms to VMEbus specification ANSI/IEEE STD1014-1987- and ANSI/VITA 1-1994 feature
- 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



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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

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Software / Additional

Software Support Linux, Microware® OS-9, VxWorks, others on request

Additional CPU temperature monitoring

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.