MicroSys

MicroSys Electronics GmbH located in Sauerlach close to Munich has designed and developed Standard- and OEM Single Board Computers in different form factors such as miriac™ CPU-Module, VMEbus and CompactPCI for 30 years.

The actual miriac™ MPX-Modules are a family of compatible CPU Modules, based on Freescale PowerArchitecture, DSP and Intel Processors. They are all low power, long term available and high performance. The modules use an elastomeric connector technology with excellent shock and vibration behaviour. The new connector technology allows mounting in both directions and stacking of modules with various interface boards. This allows to add project specific hardware in a couple of days.

MicroSys offers complete system solutions, using this technology in house. The products are used in various applications in the automotive, industrial automation, medical or Defense industry.

All well-known Real Time Operating Systems (RTOS) such as VxWorks, OS-9, QNX and Linux or embedded Windows are supported.

Why MicroSys ?

- Strong Expertise in COTS VMEbus and cPCI Solutions since 30 years
- Superior RTOS Background
- Hardware and Software support from one supplier
- Customization
- Extended Temperature Options
- Rugged and Semi-rugged Solutions
- ISO 9001:2000 Quality Management
- Hardware & Software Configuration Management
- Options for Product Availability of 10+ Years

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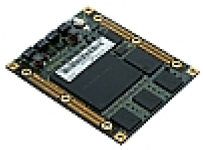
miriac™ Modules

MPX854X

miriac™ MPX Module with Freescale MPX854x Processor, 66x88mm², all bus and I/O-signals available on carrier board
SW-Support: VxWorks, Linux, OS-9, QNX

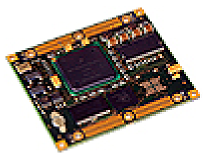
MPX8349



miriac™ MPX Module with Freescale MPX8349 Processor, 66x77mm², all bus and I/O-signals available on carrier board
SW-Support: VxWorks, Linux, OS-9, QNX

Expansion with FPGA or Graphic possible

MPX5200



miriac™ MPX Module with Freescale MPC5200B Processor, 66x77mm², all bus and I/O-signals available on carrier board
SW-Support: VxWorks, Linux, QNX, OS-9

2D or 3D Graphic extension with Fujitsu MB86276 Lime or Fujitsu MB86297 Carmine

MPX6446

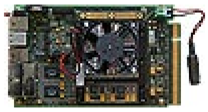
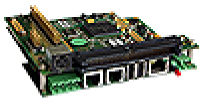
DSP Module

miriac™ MPX Module with TI DM6446 Processor

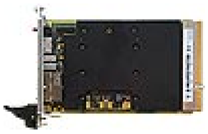
MPX530

miriac™ MPX Module with Intel Z5xx Atom Processor; industrial Temp. Range

miriac™ SBC – Power Architecture

SBC8548		Single Euro SBC based on MPC8548S SW-Support: Linux, VxWorks, OS-9, QNX
SBC8349		Single Euro SBC based on MPC8548S SW-Support: Linux, VxWorks, OS-9, QNX
SBC5200		Compact SBC based on MPC5200B SW-Support: Linux, VxWorks, OS-9, QNX
SBC5200G		Compact SBC with graphics, based on MPC5200B and Fujitsu graphics controller SW-Support: Linux, QT Embedded, VxWorks, Tilcon, OS-9, XisSys

CompactPCI - Power Architecture

CPC8548		3U cPCI SBC with Freescale MPC8548 SW-Support: VxWorks, Linux, OS-9, QNX
CPC8349		3U cPCI SBC with Freescale MPC8349 SW-Support: VxWorks, Linux, OS-9, QNX
CPC45		Low-Power 6U cPCI System Controller with MPC8245 SW-Support: VxWorks, pSOS

CompactPCI – Intel Architecture

CPD 

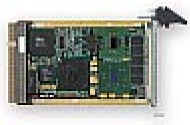
Intel® Core™2 Duo Mobile Processor L7400 @ 1.5 GHz
or T7400 @ 2.16 GHz , 2 PMC slots, PICMG 2.16

CPM1 

Single Slot SBC with Intel® Pentium M™ Processor.
6U CompactPCI Controller with Dual Gigabit Ethernet
(PIGMG 2.16) and Serial ATA
SW-Support: Linux, Windows/XP, QNX, VxWorks

CHC 

Single Slot SBC with Intel® Low Voltage Xeon™ Processor.
6U CompactPCI Controller with Dual Gigabit Ethernet
(PIGMG 2.16), Serial ATA and U320 SCSI.
SW-Support: Linux

C3PM 

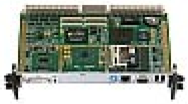
3U cPCI SBC with Intel Pentium-M
SW-Support: Windows XP, Linux 2.4, 2.6

VMEbus – Power Architecture

CPU87		Universal 6HE PowerQUICCII CPU with PMC-Slot SW-Support: VxWorks, Linux
CPU86		Universal 6HE PowerQUICCII CPU with local-bus expansion SW-Support: VxWorks, Linux
CPU85		Universal 6HE PowerQUICCII CPU with PMC-Slot SW-Support: VxWorks, Linux
CU824		Flexible 3HE CPU with MPC8240 processor and PCI expansion SW-Support: VxWorks, Linux, OS-9, pSOS
IP860		Flexible 3HE CPU with MPC860 and two IP-Slots SW-Support: VxWorks, Linux, OS-9, pSOS

VMEbus - Intel Architecture

DPM



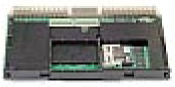
Single Slot SBC with the Intel® Pentium® M Processor.
VITA 31.1 compliant 6U VMEbus board with one PMCX Site
SW-Support: NT, XP, Linux, QNX, VxWorks

DPD

Intel®Core-Duo Processor @ 1.66 GHz or
Intel® Core™2 Duo Mobile Processor L7400 @ 1.5 GHz
E7520 Chipset for PCIe support
SW-Support: Windows, VxWorks, Linux, QNX und Solaris

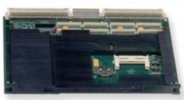
VMEbus - Rugged Boards

RPM



Rugged Single Slot SBC with the Intel® Pentium® M Processor. VITA 31.1 compliant 6U VMEbus board with one PMCX Site
SW-Support: NT, XP, Linux, QNX, VxWorks

RPD



Intel®Core-Duo Processor @ 1.66 GHz or
Intel® Core™2 Duo Mobile Processor L7400 @ 1.5 GHz E7520 Chipset for PCIe support .
Conduction –Cooled per IEEE 1101.2
SW-Support: Windows, VxWorks, Linux, QNX und Solaris

CU824-R

3HE CPU with MPC8240 processor and Conduction Cooling
SW-Support: VxWorks, Linux, OS-9, pSOS

IPC03

Rugged 6U IndustryPack Carrier board with Rear I/O