

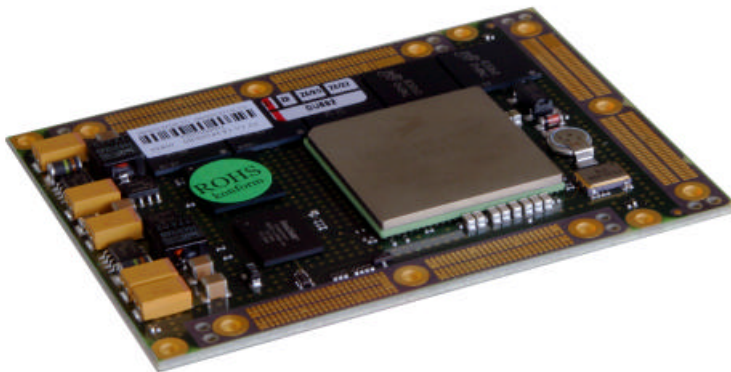
miriac™ MPX8548

Product Description

The MPX8548 module is based on the PowerQUICC™ III family of processors from Freescale. These processors combine various I/O functions such as two PCI interfaces, four Gb Ethernet ports, a double precision floating point unit as well as a DDR2 memory controller.

With the minimum size of 66x88mm² the MPX8548 module even fits in the smallest systems. The modules are also available in extended temperature from -40°..+85°C.

The different processors are optimized for specific applications. With up to 1.5 GHz these modules are the high end of the Power Architecture module series.



Overview:

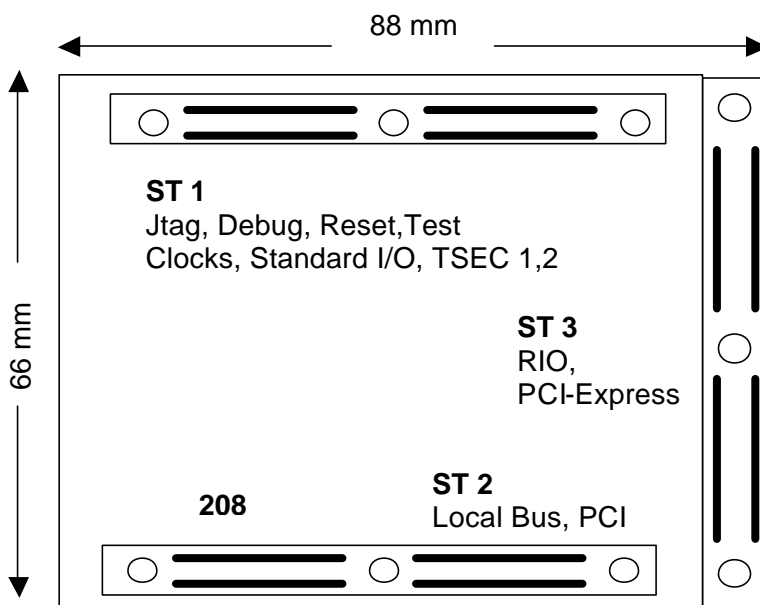
- **MPC85xx with e500 Power PC kernel**
- **Integrated DDR2 Memory Controller**
- **3065 MIPS@ 1.33 GHz**
- **double precision floating point unit**
- **up to 1 GB DDR2 DRAM (with ECC)**
- **up to 64 MB Flash**
- **1MB SRAM**
- **RTC, Watchdog, Reset Generator**
- **Single 3,3V Supply**

MicroSystems

- three 208 Pin connectors, which make all I/O and bussignals available on the carrier board
- 2 x 32bit/ 66Mhz PCI Ports or 64bit PCI
- 2x 10/100/1000 Ethernet
- High Speed Serial Ports
- 2 x PC
- General Purpose parallel I/O (GPIO)
- Serial Rapid I/O and PCI Express
- optional -40° to +85°C

Connectors:

three 208 Pin elastomeric connectors (2 rows)



Software-Support:

VxWorks and Linux ; others on request

Order Information:

Order-Nr.	Order Text	Status
833001	MPX8548 MPC8548 256MB ECC-DDR2 32MB FLASH	Q1/08

StI: 'Stock Item' – normally available ex stock

BoO: Build on Order – will be built after order received

You need a different variant? – No problem! Just contact us.

MicroSys Electronics GmbH
 Mühlweg 1
 82054 Sauerlach
 Germany

Phone +49 (0)8104 801-0
 Hotline +49 (0)8104 801-130
 Fax +49 (0)8104 801-110
 Email : info@microsys.de
 web: www.MicroSys.de

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