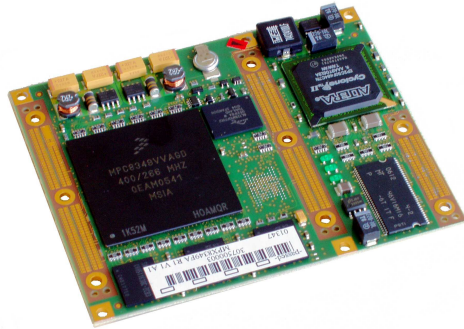


miriac™ MPX8349FA

Product Description

The MPX8349FA module is based on the MPX8349 module and adds an Altera FPGA EP2Cx (Cyclone II family). As a processor the highly integrated Freescale MPC8349 is used which provides various I/O functions such as two PCI interfaces, two Gb Ethernet ports, USB as well as a DDR memory controller.

The MPX8349FA is part of the new MPX standard with a tiny 95x77 mm² footprint. The new connector technology allows mounting in both directions and stacking of modules with various interface boards. Versions for extended temperature (-40°..+85°C) are available.



Overview:

- MPC8349 with e300 Power PC kernel
- Integrated DDR Memory Controller
- 1260 MIPS@ 667 MHz
- up to 256 MB DDR SDRAM (with ECC)
- up to 32 MB Flash
- 1MB SRAM
- RTC, Watchdog, Reset Generator
- Single 3,3V Supply
- two 208 Pin connectors, which make all I/O and bussignals available on the carrier board
- 2 x 32bit/ 66Mhz PCI ports
- 2x 10/100/1000 Ethernet
- High Speed Serial Ports
- 2 x high speed USB Ports
- 2 x I²C (Master or Slave)
- Serial Peripheral Interface (SPI)
- General Purpose parallel I/O (GPIO)
- FPGA EP2Cx
- optional -40° to +85°C

MICROSYSTEMS

Extended MPX form factor 95x77mm²; allows mounting in both directions and stacking.

Connectors:

two 208 Pin elastomeric connectors (2 rows)

one 104 Pin elastomeric connector (2 rows)

Software-Support:

VxWorks, QNX and Linux ; others on request

Order Information:

Order-Nr.	Order Text	Status
830701	MPX8349FA MPC8349 128MB ECC-DDR, 16MB FL FPGA Extension Altera EP2C50	BoO
830702	MPX8349FA MPC8349 128MB ECC-DDR, 16MB FL FPGA Extension Altera EP2C35	StI
830901	CRX01 Carrier Board for MPX Modules optimized for PowerQuiCC-based MPX	StI

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.

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