

iWave launches XMC/PrPMC module based on Freescale's MPC8640/ MPC8641

"iWave announces industry first network engine with Quad Gigabit Ethernet ports in XMC/PrPMC form factor, featuring Freescale's Power Architecture® technology processors MPC8640/MPC8641(Single core) and MPC8640D(Dual core)"

18th August 2010, Bangalore - India: iWave Systems Technologies, a leading embedded design house Headquartered in Bangalore has recently released its **iW-RainboW-G9**, a module based on Freescale's Power Architecture® technology processor MPC864x with the XMC/PrPMC Industry standard form factor.

With the available 4x Serial RapidIO/ x8 PCI Express switched interconnects along with Quad Gigabit Ethernet ports, this module provides high throughput network engine solution with low latency.

This highly integrated, high performance module enables solution for Embedded networking, Routers, switches and fast industrial control & automation, general computing, embedded storage and time-critical applications.

This module, used as a standalone development platform, enables shortened development time with cost savings which helps the customer to reduce overall project risk.

Commenting on this new module launch, Mr. Vivek Tyagi, Country Sales Manager, Freescale Semiconductor India Pvt. Ltd., mentioned, "iWave Systems Technologies, an active Freescale Alliance partner, has come out with lot of solutions & modules based on Freescale processors. Adding to this list, comes their latest Power Architecture technology processor MPC864x based XMC/PrPMC module that is suitable for developing high performance networking, telecom, pervasive computing applications."

When asked about the benefits of using this module, Mr.Kamaraj (Corporate Manager, Product Engineering Group, iWave Systems Technologies) commented that "This module has Quad Gigabit Ethernet ports on front or rear panel of XMC module along with the processor. It can be easily interfaced to other I/O, FPGA and Carrier boards, either through the XMC or PrPMC interface. It also provides the flexibility for the better System engineering, since it provides all the 4 GbE ports through the front panel interface as well as the expansion connector interface".

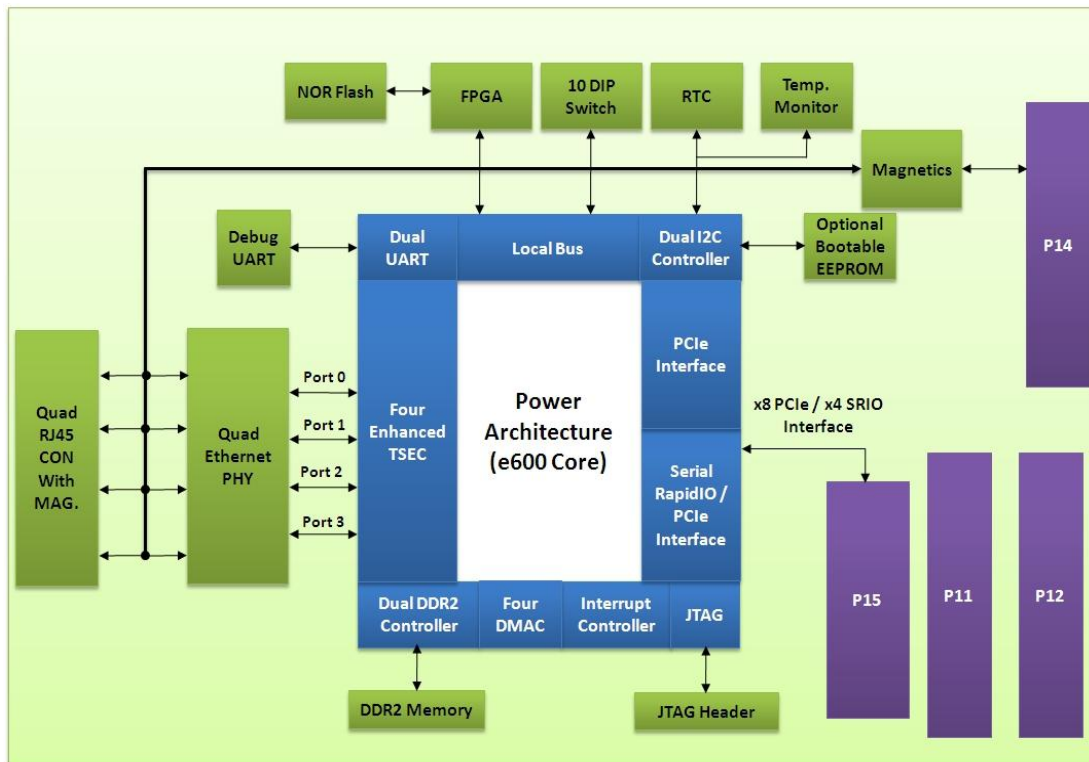


MPC864x Processor Based XMC/PrPMC board features:

- Freescale MPC864x Processor @ 1GHz
- Power Architecture™ e600 processor cores
- Quad Gigabit Ethernet Ports to front panel or rear panel connector of the module
- 4x Serial RapidIO / x8 PCI Express interface on XMC P15 Connector

- Dual 64-bit DDR Memory controller supported with optional ECC (Configurable from 512MB to 2GB).
- Up to 128MB NOR flash on Local bus controller
- Bootable 16KB I2C EEPROM
- UART Debug serial Port support
- 5V and 3.3V Power input through PMC or XMC Interface
- 5V Power input for Stand-Alone option
- Form factor - 149mm x 74mm standard single-width XMC size

System Block Diagram:



Availability:

This module is available now. Contact us for lead time information.

About iWave Systems:

iWave Systems Technologies is an embedded Hardware and Software Turnkey Design Services company, focused on providing integrated solutions for developing innovative products and systems in the areas of Communication, Industrial, Medical, Hand-held / HMI applications and Automotive preferably using the available iWave developed CPU modules & FPGA IP Cores or with any new processor running various OS (including WinCE, Linux, Android / QT, VxWorks). With its 10 year expertise combined with its current 130 strong team, global presence and its branch offices in Japan & Germany, iWave is poised to become an Independent design house for the high tech Electronic Systems.

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