



Integrated Host Processor with Integrated PCI

MPC8240

Last Updated: Apr 26, 2024

The MPC8240 Integrated Host Processor fits applications where cost, space, power consumption and performance are critical requirements. This device provides a high level of integration, reducing chip count from five discrete chips to one, thereby significantly reducing system component cost. High integration results in a simplified board design, less power consumption and faster time-to-market solution. This cost-effective, general-purpose integrated processor targets systems using PCI interfaces in networking infrastructure, telecommunications, and other embedded markets. It can be used for control processing in applications such as routers, switches, network storage applications and image display systems.

Processor Core

The MPC8240 Integrated Host Processor takes advantage of a small, yet powerful 32-bit, superscalar MPC603e processor core. The processor core provides floating-point support, memory management, 16-Kbyte instruction and data caches and power management features with five independent execution units. This full-featured high-performance processor core is software-compatible with microprocessors based on Power Architecture.

