QorIQ® P1020 and P1011 Dual- and Single-Core Communications Processors

P1020

Not Recommended for New Designs

This page contains information on a product that is not recommended for new designs.
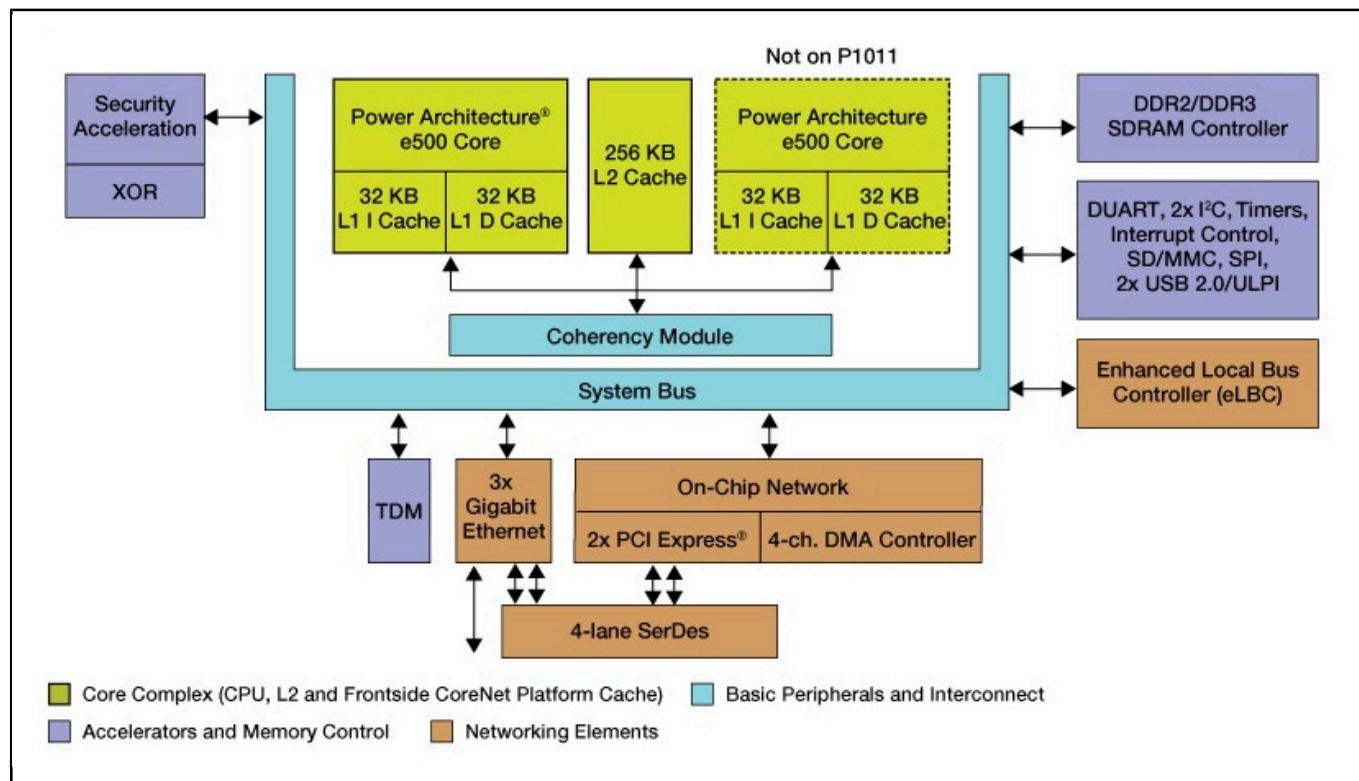
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P1020 device is "Not recommended for new designs", please use the replacement families Power Architecture (T1023), Arm Architecture (LS1023A).

The QorIQ® P1 platform series, which includes the P1020 and P1011 communications processors, offers the value of extensive integration and high power for a wide variety of applications in the networking, telecom, aerospace, defense and industrial markets. The series provides dual-and single-core solutions for the 533 MHz to 800 MHz performance range, along with advanced security and a rich set of interfaces delivered on 45 nm technology for a low-power implementation.

The P1 platform series is perfectly suited for multiservice gateways, Ethernet switch controllers, wireless LAN access points and high-performance general-purpose control processor applications with tight thermal constraints.

The QorIQ P1 series consists of dual- and single-core products that are pin-compatible with QorIQ P2 platform products, offering a five-chip range of cost-effective solutions. Scaling from a single core at 533 MHz (P1011) to a dual core at 1.2 GHz per core (P2020), the two QorIQ platforms deliver an impressive 4.5X aggregate frequency range.

Freescale QorIQ P1020/11 Communication Processor Block Diagram Block Diagram

View additional information for QorIQ® P1020 and P1011 Dual- and Single-Core Communications Processors.

Note: The information on this document is subject to change without notice.