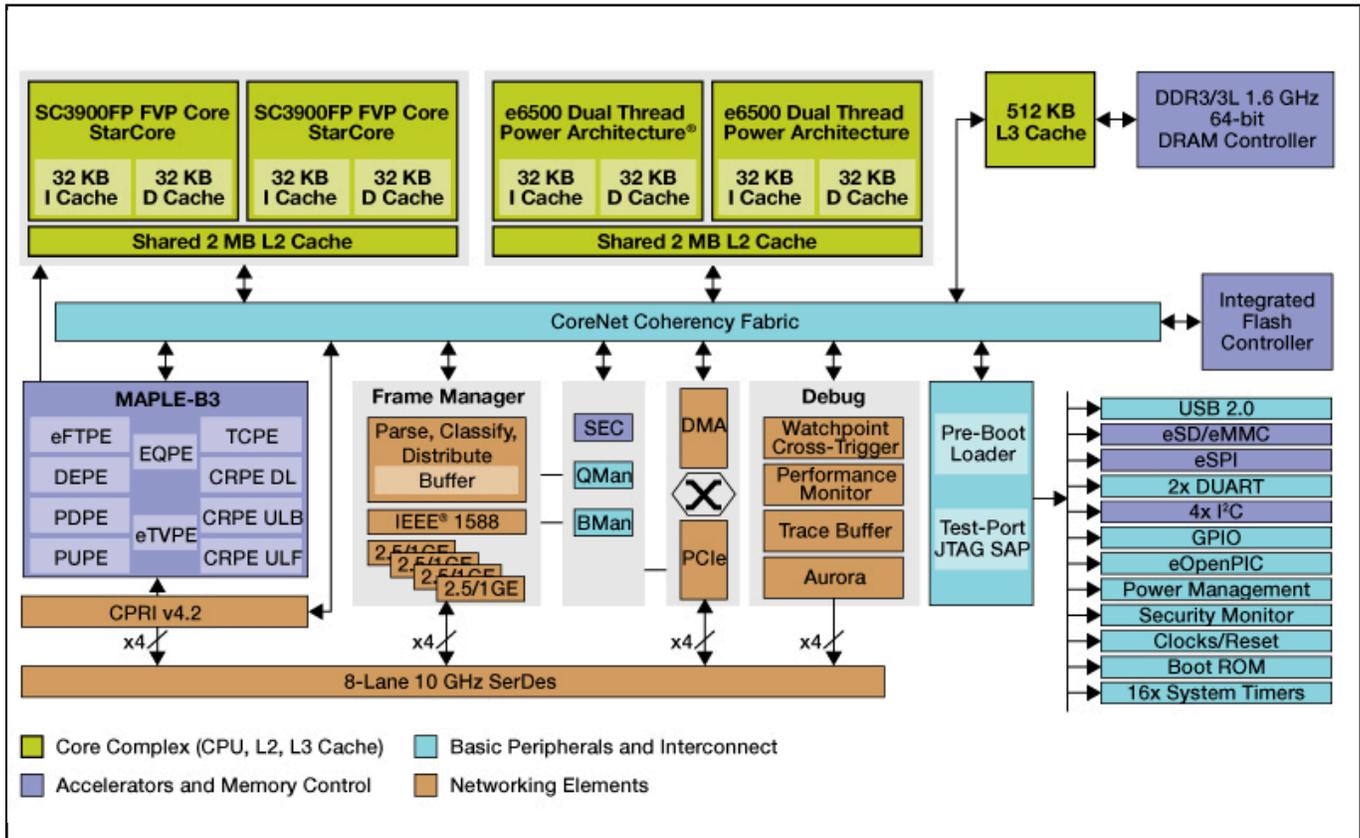# QorIQ® Qonverge B4420 Baseband Processor

B4420

Last Updated: Jan 14, 2026

QorIQ® Qonverge B4420 multicore system-on-chip (SoC) architecture is designed for high-performance wireless infrastructure applications. It provides ultra-high-performance for carrier-grade metrocell and microcell base station platforms supporting various wireless standards including WCDMA (HSPA/HSPA+), FDD-LTE, TDD-LTE and LTE-Advanced including 3GPP LTE Rel. 10/11.

This multicore SoC includes four programmable cores, two 64-bit Power Architecture® cores and two cores based on a StarCore® flexible vector processor (FVP) and high throughput, low latency hardware accelerators for Layer-1, Layer-2 and Transport to enable highly optimized processing for the radio processing chain from PHY to Transport layers.

B4420 BD IMG Block Diagram

View additional information for QorIQ® Qonverge B4420 Baseband Processor.