



# **QorIQ® T1024/14 and T1023/13 Dual- and Single-Core Communications Processors**

## **T1024**

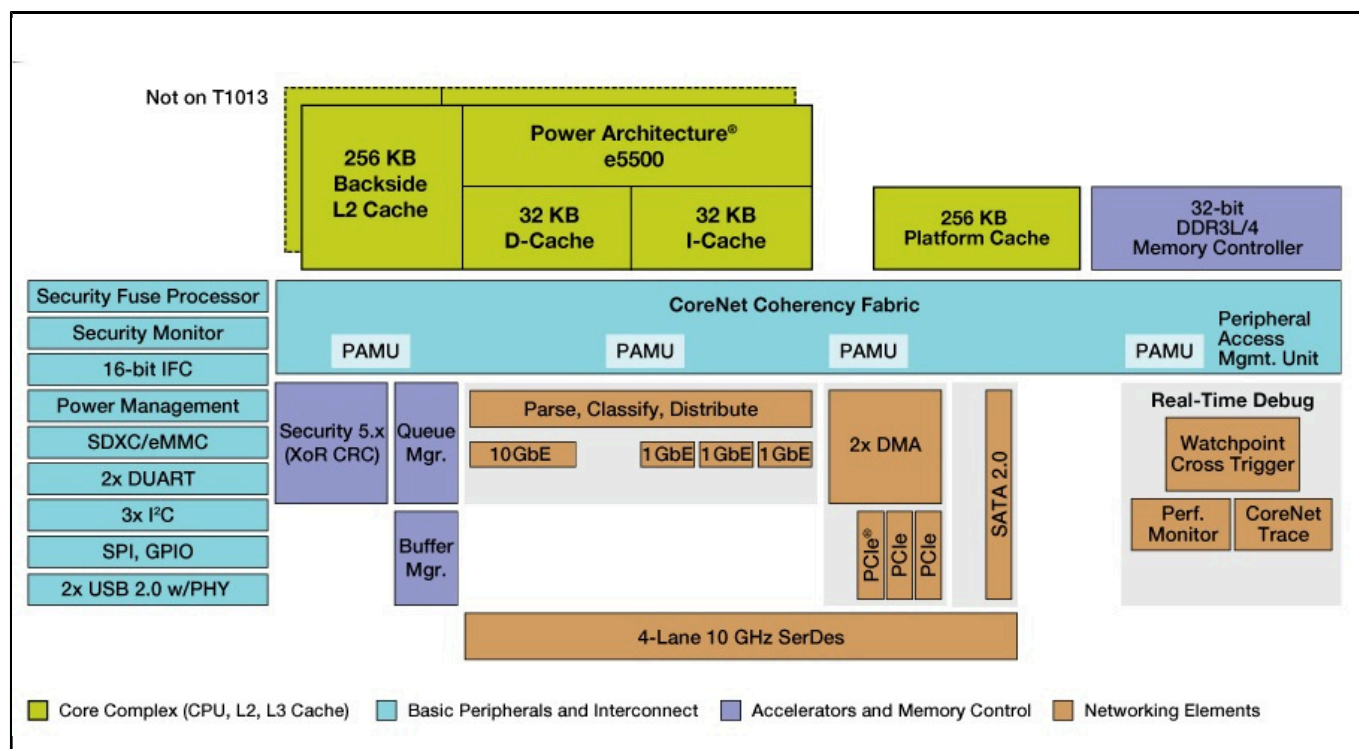
Last Updated: May 30, 2025

The QorIQ® dual-core T1024 and T1023 and single-core T1014 and T1013 communications processors combine 64-bit cores, built on Power Architecture® technology, with high-performance Data Path Acceleration Architecture (DPAA) and network peripheral bus interfaces required networking, telecommunications and industrial networked applications. The QorIQ T Series platform offers optimized features for the industrial market, including a display interface unit for HMI, the QUICC Engine® for industrial protocol offload and ECC support for high reliability “always on” applications.

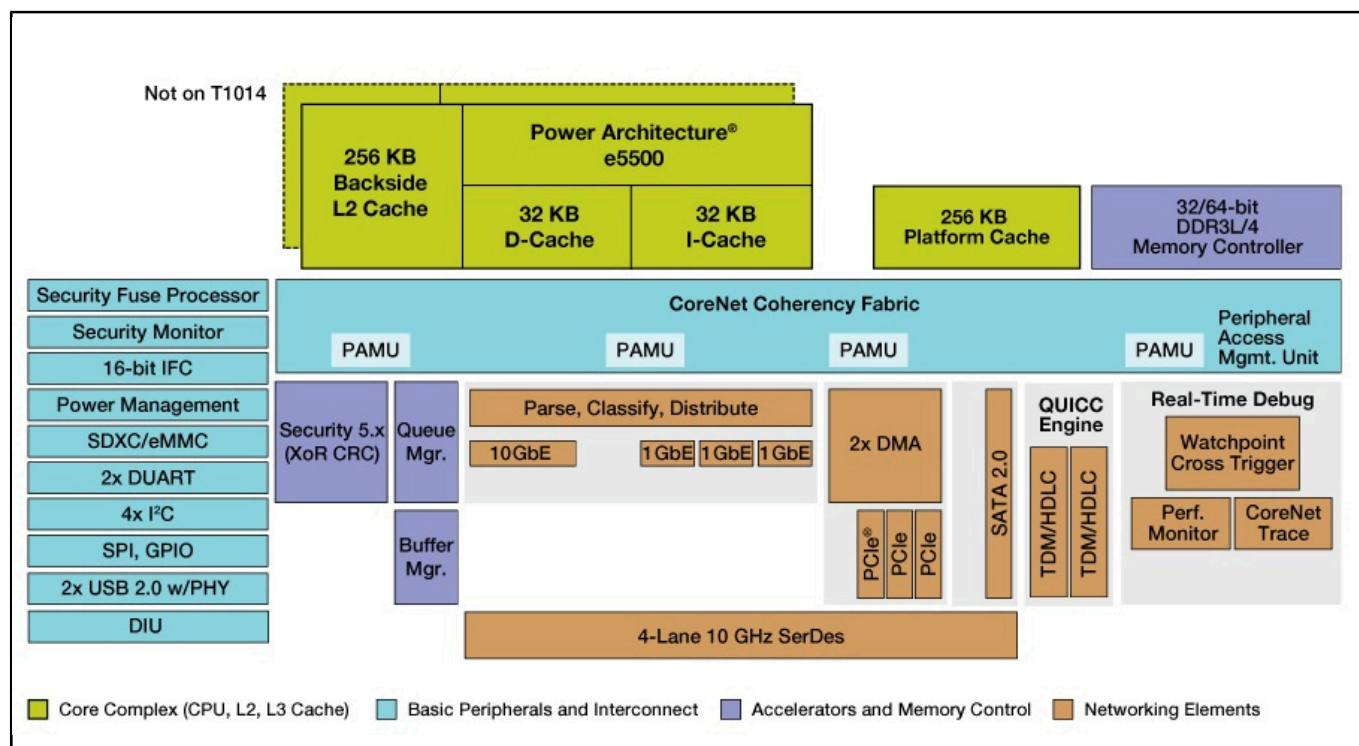
The T1024 and T1014 processors come in a full-featured 23x23 mm package, which provides scalable, pin compatibility with the quad-core T1042 processor, and even the eight core T2081 processor for price and power scaling with a single system design.

The QorIQ T1023 and T1013 communications processors are interface and power-optimized SoCs designed to deliver impressive single- or dual-core performance for cost and power sensitive networking and industrial systems. Both versions offer an excellent software compatible 64-bit and I/O upgrade path for the popular QorIQ P10XX family of 32-bit communications processors.

## 31538 T1023 BD Block Diagram



## 31538 T1024 BD Block Diagram



View additional information for [QorIQ® T1024/14 and T1023/13 Dual- and Single-Core Communications Processors](#).

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

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