

THE ULTRA-COMPACT INTEGRATED PROCESSING SOLUTION



Key Features:

- High performance vs. reduced board size – The innovative 25mm x 38mm footprint offers all the high-speed communication interfaces of the QorIQ™ T1040 processor whilst reducing PCB size by 50%
- Reduced time-to-market – The QT10A removes the need to design the DDR3L link between processor and memory
- 15+ years availability – The QT10A will be available through SLiM™, e2v's proven obsolescence management service

Qormino™

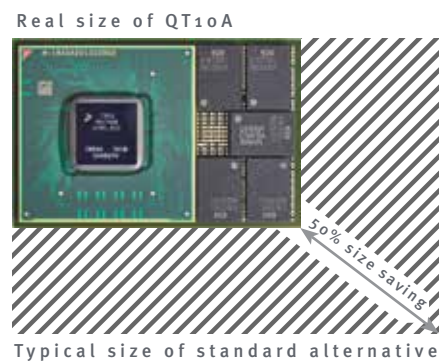
QT10A

Introducing the first member of the Qormino™ family, the QT10A, an innovative embedded solution that combines an NXP QorIQ™ T1040 processor with DDR3L memory on the same small substrate. The QT10A is a direct response to increasing SWaP constraints offering 50% PCB space savings compared to standard alternatives. Removing the need to design the DDR3L link allows system designers to focus on higher level architecture tasks, reducing time-to-market.

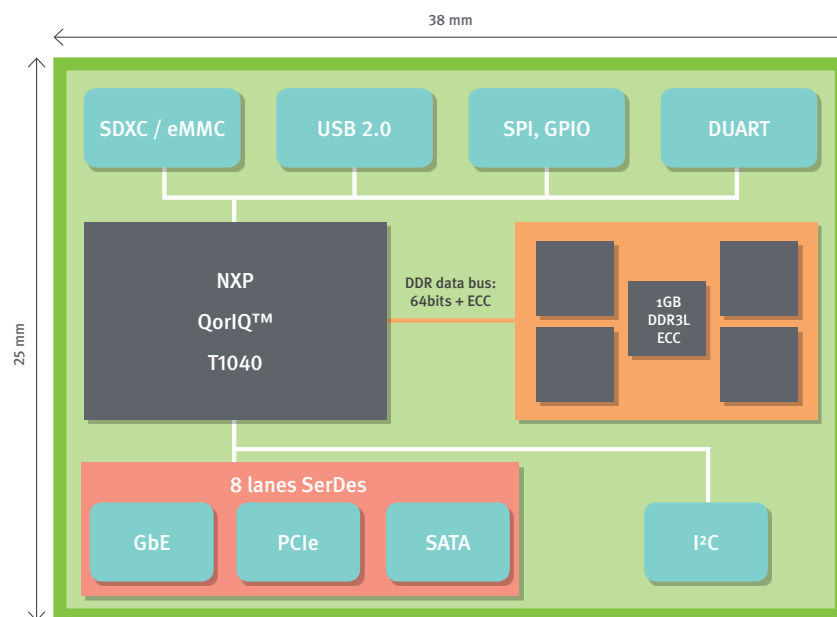
Technical Features:

Spec	Performance
Processor	Quad core QorIQ™ T1040
Memory	1GB DDR3L SDRAM, 72-bits bus with ECC protection up to 1600 MT/s
CPU	Quad 64-bits e5500 core up to 1.4GHz
SerDes connectivity	8 lanes up to 5Gb/s Supports: 4 x PCIe, 2 x SATA, 8 port GbE
Additional interfaces	2 x USB 2.0, 2 x DUARTs, 4 x I2C, 4 x GPIO, eSPI, SD/eSDHC/eMMC, DIU
Temperature range	-40°C to +110°C

Size savings are achieved through advanced packaging technologies and resourceful positioning of processor, memory and passive components.



Block Diagram



Contact us online at:

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