

## PRODUCT OVERVIEW

### QT1040-1GB

Qormino™, the smart, small and powerful processing solution that combines NXP QorIQ™ series processors with RAM memory on e2v's custom substrate.

#### KEY FEATURES

High performance vs. reduced board size, the innovative 25mm x 38mm footprint offers all the high-speed communication interfaces of the NXP QorIQ™ processor whilst reducing PCB size by 50%, when compared to standard alternatives

Reduced time-to-market, the new line of embedded module removes the need to design the DDR3L link between processor and memory

15+ years availability through e2v's proven obsolescence management service, SLiM™

## QORMINO™ THE NEW LINE OF ULTRA-COMPACT INTEGRATED PROCESSING SOLUTIONS

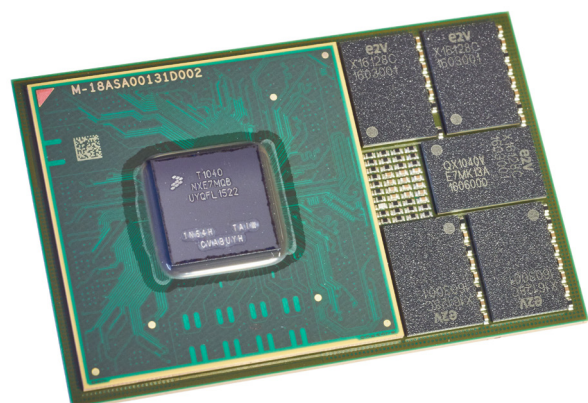
Introducing the first prototype of the Qormino family, the QT1040-1GB, an innovative embedded solution that combines an NXP QorIQ T1040 processor with 1GB DDR3L memory on our custom substrate.

#### KEY SPECIFICATION

Specification	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	-55°C to +125°C

#### APPLICATIONS

- Civil Aerospace
- Industrial
- Networking
- Radar
- Scientific



#### e2v

106 Waterhouse Lane, Chelmsford,  
Essex, CM1 2QU, England  
T: +44 (0) 1245 493493