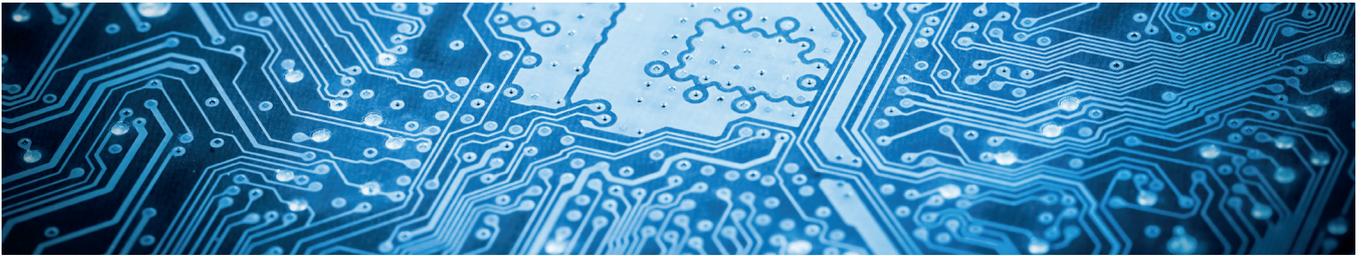


# Qormino® the new line of ultra-compact processing solutions



## The QLS1046-4GB

Introducing the QLS1046-4GB, the second solution from the Qormino® line, an embedded solution that combines an NXP QorIQ® LS1046 processor that integrates quad 64-bit ARM® Cortex A72 cores, with 4GB DDR4 memory on our custom substrate, offering:

- + High performance packed into a small substrate
- + Reduced system design time, improving time-to-market
- + 15+ years availability for obsolescence management

### QLS1046-4GB specifications:

<b>Processor</b>	QorIQ® LS1046 integrating ARM® Quad core / Dual core at 1.8 GHz
<b>Memory</b>	4GB DDR4 stacked memory 72-bit BUS with ECC protection
<b>Attributes</b>	Temperature performance -55° to +125° Compact size ≈44mm x 26mm Long-term support +15 years



Real size of QLS1046-4GB

### Suitable applications



**Avionics**  
(DO-254 certifiable)



**Radar**



**Industrial**



**Scientific**



**Networking**

## Integrating the future, integrating ARM®

The QLS1046-4GB is the first solution from Teledyne e2v that integrates a QorIQ® processor built on the ARM® Cortex A72 cores, offering increased compute with decreased power consumption combined with multiple connectivity options.

The transition from traditional QorIQ® to ARM® offers:

- + Best-in-class performance, in excess of 45,000 CoreMasks
- + Improved packet classification and distribution for concentrated process cycles
- + High-speed security protocol processing, including IPsec, SSL, DTLS, and IKE

## QLS1046-4GB block diagram

