

VITA 93 QMC - Expanding Modularity and Performance: Unlocking New Potential for MTCA Platforms

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The recently ratified VITA 93 QMC standard introduces an unprecedented level of modularity, flexibility, and scalability. Building on lessons learned from previous standards, QMC blends their proven strengths with new capabilities designed for the future. This presentation provides an overview of the key features and advantages of the QMC standard, including support for next-generation interfaces such as PCIe Gen6 and the possibility to integrate the latest FPGA technologies. Furthermore, it explores how MicroTCA can serve as an ideal platform for QMC integration, highlighting the concept of a QMC carrier for MTCA.4 that combines the flexibility of QMC with the reliability, management, and ecosystem maturity of the MTCA architecture.

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