

Universal firmware/software framework for MTCA.4 data acquisition boards

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Data acquisition is one of the most common tasks performed by electronic systems used by HEP experiments. Existing systems vary in terms of used hardware and software components, but their high level functionality is the same. Universal framework introduces additional abstraction layers to create hardware/software independent interfaces. This allows to reuse the same firmware and software components, which are independent on type of used hardware. The solution is dedicated for MTCA.4 and AMC digitizer boards and currently supports several products available on the market.

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