

Generic data acquisition control system stack for MTCA ADC hardware

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Cosylab is the world leading integrator of control systems for big physics facilities. We frequently integrate high speed data acquisition devices on the MicroTCA platform for our customers. To simplify this process we have developed a generic control system stack that allows us to support a large set of MicroTCA ADC hardware boards with minimal firmware and software modifications. Our firmware supports generic data acquisition up to 32 bit sample width and also generic data generation. The firmware modules are implemented in a way so that support for MRF timing modules can be added and allow the board to act as a MRF timing receiver. On the software side we implemented the control software stack in NDS which means that we offer support for EPICS and TANGO control systems out of the box.

Summary

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