

Status of MicroTCA-based System for Accelerators in KEK

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Several kinds of MicroTCA boards have been developed for operation of accelerators (Super-KEKB, cERL, STF) in KEK. These boards have multi-channels of ADC/DAC and are controlled by EPICS on the FPGA (Virtex5-FX and Zynq-7000). The MicroTCA.0 based boards are used for the LLRF feedback control and RF reference system monitor and the MicroTCA.4-based boards have been evaluated for the LLRF feedback control for ILC and beam orbit feedback control for Super-KEKB. The recent progress and present status of these MicroTCA-based systems will be reported.

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