

The IERE-4BE Central Processing Unit

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Abstract

This paper describes the IERE-4BE Central Processing Unit (CPU). The IERE-4BE CPU prototype was developed at the Department of Electrical and Computer Engineering of The University of the West Indies. It is the first CPU developed at this institution. It is a 4-bit CPU with a 12-bit address bus. The CPU was developed as an aid in teaching computer science as well as structured digital electronic design principles.