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## **An Embedded Linux System Based on PowerPC**

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This article introduces a Embedded Linux System based on vme series PowerPC as well as the base method on how to establish the system. The goal of the system is to build a test system of VMEbus device. It also can be used to setup the data acquisition and control system. Two types of compiler are provided by the developer system according to the features of the system and the PowerPC. At the top of the article some typical embedded Operation system will be introduced and the features of different system will be provided. And then the method on how to build a embedded Linux system as well as the key technique will be discussed in detail. Finally a successful data acquisition example will be given based on the test system.

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