

**Real Time Logic, Inc.**

12515 Academy Ridge View, Colorado Springs, CO 80921  
Phone: (719) 598-2801 Fax: (719) 598-2655  
www.rtlogic.com

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<b>APPLICABLE</b>	MVME Power PC-based
<b>PRODUCT</b>	Architectures
<b>CATEGORY:</b>	

## REASON FOR BULLETIN

Most RT Logic products incorporate a PC into the system’s architecture and design. Earlier products utilized an MVME PowerPC platform. For this architecture, the startup configuration files contained in NVRAM are stored in a memory device which is powered by a Lithium battery when the PC is turned off. If the battery fails, the system will power on but not boot properly. This battery is designed to last 7 to 10 years but may fail sooner if the system is powered off for extended periods of time. Unfortunately, the problem won’t manifest itself until the system is powered down. At the next power up, the system won’t boot if the backup battery is drained. This is a common problem for PC’s manufactured during this era. This condition can be corrected in the field if the user previously recorded all parameters stored in NVRAM.

Later model PCs used by RT Logic store fewer critical components in memory powered by this back up battery. Dell server-based systems store little more than date and time; hence, the system still boots in the event of a drained battery.

## RESOLUTION

If your system is based on the MVME architecture, this problem can be prevented by recording all parameters stored in NVRAM and replacing the Lithium battery. If your system is more than six years old, or has been powered off for long periods of time, contact RT Logic for a replacement battery. There is no charge for the battery replacement, and it is easily field-replaceable.

After the battery is replaced and the boot parameters restored, the system will continue operation as before.

<b>CONTACT INFORMATION FOR TECHNICAL QUESTIONS:</b>
RT Logic Customer Support Phone: (719) 867-6099 Email: <a href="mailto:customer-support@rtlogic.com">customer-support@rtlogic.com</a> Web: <a href="http://www.rtlogic.com">www.rtlogic.com</a>