

**PRODUCT BRIEF:**

Logic embedded product solutions

## LOGICLOADER™ Bootloader/Monitor

LogicLoader™ is a bootloader/monitor program developed by Logic Product Development that initializes an embedded device and is capable of loading both operating systems and applications. In addition, LogicLoader provides a full suite of commands for hardware configuration, in-field device management, hardware debug, manufacturing, and test.



Customizable and extendable at the user level, LogicLoader is built for multiple processor platforms (ARM, ColdFire, i.MX, SH, XScale), with support for both CompactFlash FAT and YAFFS file systems. LogicLoader contains a fully integrated TCP/IP stack—with DHCP and TFTP support—providing network bootstrap support. Greater customization to your specific needs can be achieved through conditional scripting and the ability for LogicLoader to drive LCD displays to show custom splash screens, making LogicLoader an excellent tool to fast forward your embedded product design.

### Product Features

#### Operating System (OS) Bootstrap

- + Load multiple OSes (Microsoft Windows Embedded CE, Linux, etc.)
- + Load an OS from CompactFlash, resident flash array, serial connection, or Ethernet connection
- + Fully configure a hardware platform for the OS
- + Activate custom software functions to initialize hardware before the OS starts
- + Power-on self test capability

#### In-field Device Management

- + Modify boot actions at run-time
- + Remote device management eases debugging and upgrading

#### Hardware Debug

- + Link in custom test functions to verify custom hardware
- + Use a familiar UNIX-like interface for debugging the device
- + Ethernet-based download and debug interface for Windows Embedded CE

#### Custom Applications

- + Use LogicLoader to load, burn, and jump to any custom embedded application

#### Manufacturing and Test

- + Add in custom functional test software for your specific device needs
- + Take advantage of the fast Ethernet connectivity to reduce manufacturing test time

#### Download Formats

- + SREC
- + ELF
- + BIN
- + RAW

### LOGICLOADER™ :: HIGHLIGHTS:

- + Ships standard on all Logic System on Modules
- + Conditional scripting
- + YAFFS (flash file system)

### LOGIC WEBSITE :: DESIGN RESOURCES:

- + Logic Technical Support :  
<http://www.logicpd.com/support/>
- + Technical Discussion Group :  
<http://www.logicpd.com/support/tdg/>
- + Frequently Asked Questions (FAQ) :  
<http://www.logicpd.com/support/faq/>
- + For more information contact Logic Sales :  
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