

## About Arcturus Networks

Arcturus Networks produces embedded firmware and hardware solutions for the networking and communications industry. Focusing on the converging technology of data, voice and streaming media, Arcturus provides firmware and hardware reference platforms for Internet Attachment Devices (IAD's) specializing in Residential Gateway (RG) and SOHO Routers.

## Arcturus Products

The Arcturus product suites consist of modular firmware including a royalty free embedded OS with full TCP/IP support. In addition to basic networking, Arcturus offers support for advanced routing and streaming media including voice. The Arcturus Management and Configuration suite includes seamless support for SNMP and Web based configuration and management as well as customer specific front end plugins. In an effort to assist OEM developers expedite their application development, Arcturus also offers fully compatible hardware reference platforms and design integration. Arcturus solutions enable the turnkey development of IAD or Residential Gateway products on various SOC based microcontrollers.

## Firmware and Development

Arcturus is committed to furthering industry development and as such has adopted a leadership role with innovative public development projects such as the uClinux embedded OS initiative. In addition to this public work Arcturus recognizes the need for sustainable advancement and quality assurance within public development efforts. Arcturus Firmware and Development acts as a bridge between proprietary and open source models, leveraging either where appropriate and releasing or protecting IP where applicable.

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# ARM7TDMI Development Kit

Arcturus™ now offers a complete development kit for the popular ARM7TDMI™ processor core. The development kit combines the ARM7TDMI with Arcturus uClinux™ royalty-free, embedded operating system making the Arcturus ARM7TDMI Development Kit the ultimate tool for embedded ARM developers. The ATMELE AT91 ARM7TDMI SoC on the EB40-LS development board equipped with the Arcturus uCnet development card provides a complete hardware and software solution including file system support, TCP/IP and embedded web server. If your development requires a broadly supported, robust operating system in combination with a cost-effective, efficient ARM7 core, the uClinux ARM7TDMI Development Kit is ideal for you.

## Time to Market

The Arcturus uClinux ARM7TDMI provides all the necessary tools for ARM7 embedded development. Whether you are designing a hand held device or an industrial controller, the Arcturus ARM7TDMI development kit equips you with a broad range of robust and easily accessible features. Speed up your design cycle and time-to-market with a ready to go development kit solution.

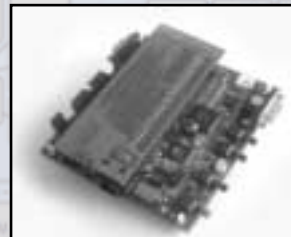


## Kit Includes

- EB40-LS Development Board with AT91 R40807 ARM7TDMI processor
- uCnet Development Card with Ethernet and additional Flash
- uClinux software CD
- Power Supply
- Manual

## Connected Solutions

Arcturus Development Kits are equipped with the powerful uClinux operating system and are net-ready right out of the box. Together, uClinux embedded on the EB40-LS development board create a powerful, robust network device. uClinux, is complete with a run-time, royalty-free TCP/IP stack as well as file system support for external NFS file systems. Arcturus provides you with the hardware, the design, the tools and the uClinux OS to ensure your make your next project is a net success.



## ARM7TDMI Features

- ATMELE AT91 Family R40807 ARM7TDMI SoC
- 128K SRAM on chip
- 2MB SRAM & 128K Flash
- uCnet development card includes additional 2MB of on board Flash
- Low power consumption & enhanced power saving mode
- 2-Serial Ports (RS 232)
- JTAG debug interface
- 3x on board interrupts (IRQ, FIQ, TI/O B1)
- 3x programmable I/O LEDs
- Reset Button and Power LED
- Ethernet Ready w/ Link and Active LEDs
- On board expansion and prototyping headers

## Ideal For

- Industrial Controller
- Human-Machine Interface
- Hand-Held Device
- MP3 Player
- Embedded Web Server
- Packet Radio Transmission
- Home automation
- Network Monitoring
- Remote Sensing

www.arcturusnetworks.com