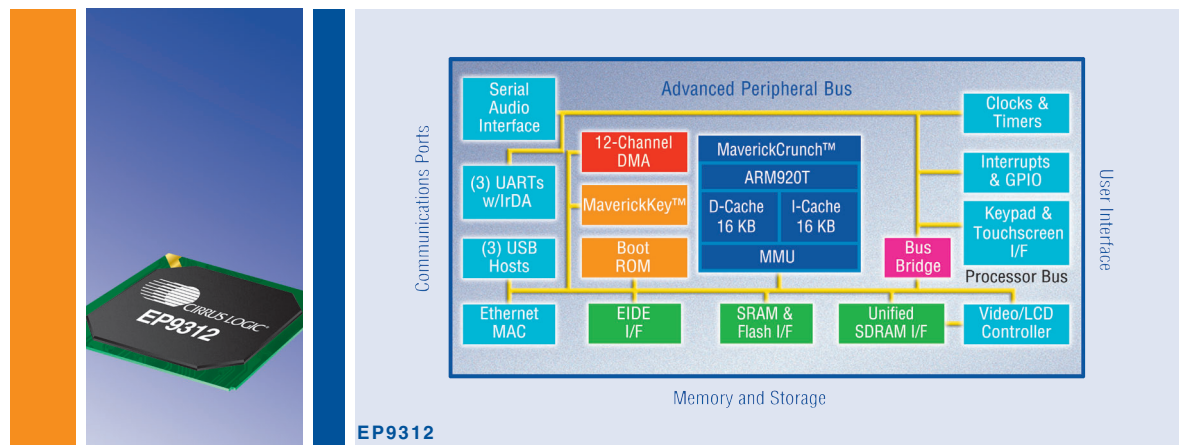


Network Attached Storage (NAS)



EP9312 KEY SPECIFICATIONS FOR NAS

- ARM920T core
- 200 MHz processor
- 100 MHz bus
- MMU
- IDE – UDMA 3, two channels
- 10/100 Ethernet MAC
- Three USB 2.0 FS hosts
- Three UARTS
- IrDA interface
- SPI™ port
- MaverickCrunch™ floating point math co-processor

NAS SOFTWARE

- Auto-detect for easy set up
- Network file system server (Samba)
- Web-based configuration system
- Auto-backup feature
- Print server (CUPS)
- Group and user-level security
- RAID and mirroring modes (future)
- Hot-pluggable external storage device support (HDD, Flash Drive)
- Easily customizable user interface

Network Attached Storage (NAS) Reference Design Based on EP9312

Accelerating Time to Market and Significantly Reducing BOM Costs

Product Overview

The Cirrus Logic® Networked-Attached-Storage (NAS) reference design, built around the EP9312 embedded processor, provides network storage and media server suppliers with a comprehensive platform to rapidly develop feature-rich, low-cost NAS products.

The EP9312 is a 200 MHz ARM9™ system-on-a-chip integrated with key peripherals for NAS and related media server products. The NAS reference design includes the EP9312 processor, application software and a product reference design that allows ODMs and OEMs to rapidly deliver affordable network storage products.

The reference design provides:

- Low bill-of-material cost via integration of dual IDE controllers, three USB 2.0 full-speed host interfaces and 10/100 Ethernet MAC
- Auto-detect software functionality for simple installation and use
- Fully featured NAS functionality including printer server, hot pluggable USB storage device support and group/user level security
- Linux® board support package
- Additional integrated peripherals for media server applications including six-channel I²S audio, LCD interface, and 2D graphics accelerator

Network Attached Storage (NAS)

EP9312 KEY SPECIFICATIONS FOR MEDIA NAS

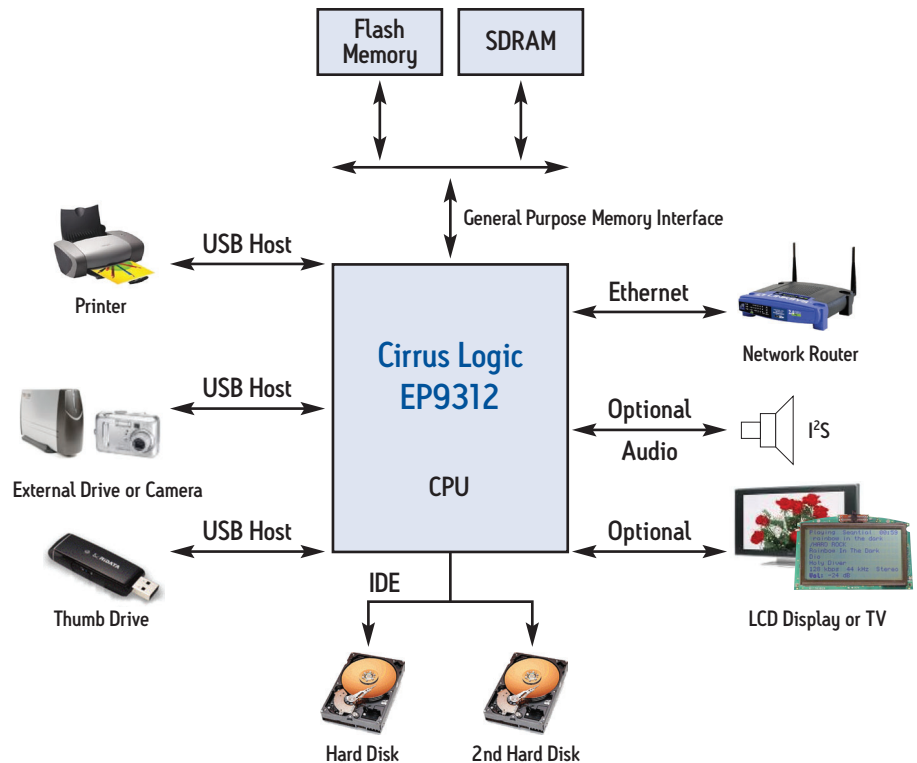
- Great Cirrus Logic audio features
 - SPI™, I²S, and AC '97 integration with 6-channel 24-bit audio
 - Wide software codecs support: MP3, WMA™, AAC™, AAC Plus™, OGG formats
- Powerful user interface to access/ manage content and view JPEGs
 - Integrated display interface: LCD, TFT, and CRT displays
 - 2D Graphics accelerator
 - Touch Screen
 - Up to 1024x768 resolution (XGA)
 - TV out timing and interface signal support (NTSC and PAL)
- MaverickKey™

LINUX® BSP

- Device drivers – for all integrated peripherals
- IP Routing – TCP/UDP/ARP support, DHCP client
- Collection of over 200 cross compiled packages
- Tool chains with ready to boot file systems
- Builds RAMDISK and BUSYBOX from scratch
- Runs Debian distro – wide range of applications

HARDWARE DESIGN KIT

- Schematics and Gerbers based on EDB9315A board



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