

Enhanced multimedia performance.

Increased battery life.



The AMD Alchemy™ Solutions Portable Media Tablet Reference Design Kit (RDK) provides an integrated solution for developing portable multimedia and data terminals. Offering enhanced audio/video capabilities and increased battery life using a Web tablet form factor, this fully mobile platform solution runs on both Microsoft® Windows® CE and Linux operating systems. The AMD Alchemy Solutions Portable Media Tablet RDK allows remote access to the user's primary PC via a wireless network.

Portable media tablets are an ideal application for the AMD Alchemy™ Au1500™ processor – a MIPS32™ processor – that offers high performance, a high level of integration, and reduced power consumption.

The AMD Alchemy Solutions Portable Media Tablet RDK has been optimized for:

Processor performance

The AMD Alchemy Solutions Portable Media Tablet RDK is built on the high-performance AMD Alchemy Au1500 processor operating at 333, 400, or 500MHz. It can help deliver outstanding multimedia and high throughput – with ample headroom to handle future enhancements.

High level of integration

The AMD Alchemy Au1500 processor provides rich I/O support, including USB 1.1, AC-97, PCI expandability, Ethernet, and UARTS. The AMD Alchemy Solutions Portable Media Tablet RDK specifically supports USB Type A connectors for keyboard and mouse control and USB Type B connectors for upgrades and recovery. It also includes Ethernet for debug, and a Mini PCI slot for support of various wireless LAN cards.

Low power consumption

The AMD Alchemy Au1500 processor lowers overall system power, which can help boost battery life, and enhance end-user mobility and productivity.

Complete range of multimedia and graphics capabilities

The AMD Alchemy Solutions Portable Media Tablet RDK features the Philips TriMedia PN1301 processor for comprehensive



multimedia playback capabilities – including MPEG1, 2, and 4; Microsoft Windows Media Video 8 and 9; and MP3 functionality. This highly programmable chipset can help improve time-to-market, lower development costs, and extend the product lifecycle via software upgrades. The AMD Alchemy Solutions Portable Media Tablet RDK also features the Silicon Motion Voyager Gx Graphics controller for advanced 2D graphics support.

Increased user mobility

Integrated wireless LAN support provides a more fully mobile and easily networked PC experience for the end user. In addition, a Mini PCI connector provides flexible support for multiple wireless LAN standards, including 802.11b, 802.11g, and 802.11a.

Product Specifications

AMD Alchemy™ Au1500™ Processor

- 333, 400, or 500MHz operating frequency

Color LCD with Touchscreen

- 1024 x 768 16bpp 12.1"-diagonal display size TFT
- 4:3 aspect ratio, landscape format

Enhanced Graphical Experience

- Silicon Motion Voyager GX Graphics Chipset support for resolutions up to 1280 x 1024 x 16bpp

AMD Alchemy™ Solutions Portable Media Tablet Reference Design Kit

Product Specifications (cont.)

Multimedia support

- Philips Tri-Media PNX1301 with 32MB, 166MHz SDRAM
- MPEG-1, MPEG-2, MPEG4, WMV 8 and 9 enabled
- MP3, AAC, Dolby Digital, Real Audio enabled

Memory

- 128MB primary SDRAM – expandable
- 64MB MirrorBit™ Flash memory technology – expandable

Wireless LAN support

- 802.11b, 802.11g, or 802.11a, via internal Mini PCI

Audio

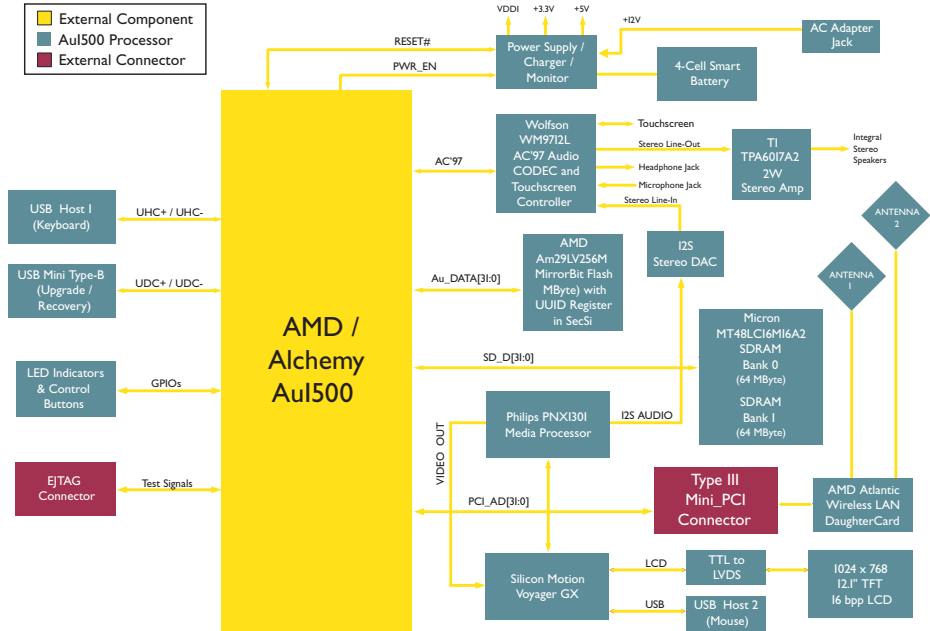
- Integral stereo speakers, headphone jack, microphone jack

General I/O

- External AC adapter
- USB I.I Type A and Type B Mini connector
- Keypad and indicators
- Power on and reset
- Volume
- Navigation controls
- Power and status indicators

Battery

- Rechargeable lithium ion battery



About AMD

AMD is a global supplier of integrated circuits for the personal and networked computer and communications markets with manufacturing facilities in the United States, Europe, Japan, and Asia. AMD produces micro-processors, Flash memory devices, and support circuitry for communications and networking applications. The company was founded in 1969 and based in Sunnyvale, California (NYSE: AMD).

For more information, please visit: www.amd.com/connectivitysolutions/aul500



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