Effectively **Evaluate**

Operation and **Performance**

**Overview**

The AMD Alchemy™ Solutions Pb1000™ Development Board functions as the development board for the AMD Alchemy™ Solutions Au1000™ high-performance, low-power system-on-a-chip (SOC). This highly versatile system serves multiple purposes:

- Chip evaluation
- Software development
- Example of hardware systems design using the Au1000

The Pb1000 effectively allows the user to evaluate the operation and performance of the Au1000.

**Features**

**Memory Devices**

- 64MB of 100MHz SDRAM
- 8MB Flash (AMD Flash Am29DL323DB)
- 256KB of SRAM
- Connections for PromICE ROM Emulator

**Expansion**

- 2 PCMCIA Expansion Connectors

**Debug Assist Features**

- YAMON Monitor/Debugger
- EJTAG Connection to Au1000
- Logic Analyzer Connectors
- LEDs for Visual Status of System Activity
- User Settable Switches

**Software Included**

- YAMON Monitor/Debugger in Flash
- Peripheral Initialization Routines
- Sample Code/Diagnostics
- OS Drivers, Initialization Code
- Evaluation Tools - Windows® CE.NET, VxWorks and Linux

**YAMON**

- Assembly/Disassembly
- Memory Modify/Display
- Register Modify/Display
- S-record, Download via Serial and Ethernet

**On-Board Peripherals**

- Epson SED 1356 Graphics Controller with CRT and TV Out
- Two 10/100 Ethernet PHYs
- USB Host/Device Port
- AC-97 CODEC Stereo Audio
- Four Serial Ports
- IrDA Transceiver (SIR, MIR, and FIR)

**System Documentation**

- User’s Guide
- Complete Schematics
- Complete Bill of Material
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, a Fortune 500 and Standard & Poor’s 500 company, produces microprocessors, flash memory devices, and support circuitry for communications and networking applications. Founded in 1969 and based in Sunnyvale, California, AMD had revenues of $3.9 billion in 2001. (NYSE: AMD)