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## AMD DB-FT1 Development Kit

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The AMD DB-FT1 Development Kit incorporates all the essentials for embedded development on AMD's G-series processors into a ready-to-go development kit. This kit pairs the Sage Embedded Development Kit (EDK) and Sage SmartProbe along with the AMD DB-FT1 Development Board.



The AMD DB-FT1 (Persimmon) development board is capable of supporting all G-Series processors. G-Series is packaged in BGA form, for direct attachment to the board. The processors in this group range from 5 W to 18 W with 1 or 2 cores and 800 MHz to 1.6 GHz clocks. Processors can be ordered with or without integrated graphics. These parts are selected for longevity support from AMD, and use unbuffered DDR3 DIMM memory modules. This board ships with an G-Series T56N processor at 1.6 GHz clock, 18 W TDP with the integrated AMD Radeon™ HD6310 Graphics Processor plus a single 1 GB DIMM memory module is installed. The Persimmon board is outfitted with JTAG access to the chipset for full In-circuit Emulation (ICE) support.

The Sage EDK software is an Eclipse based integrated development environment (IDE) optimized for use with AMD processors and chipsets. This IDE encompasses the entire development process, including editing, building and debugging, in a streamlined graphical user interface that can operate standalone or in conjunction with SmartProbe by Sage for maximum debug efficiency and confidence. The EDK host software runs Windows® operating systems. SmartProbe provides the developer with a comprehensive hardware interface for controlling the system under development with zero system overhead.

SmartProbe endows the software developer with the power to comprehensively and efficiently evaluate and/or manipulate the inner workings of the processor, chipset and peripherals. The probe works well in standalone environments, such as GDB, EMACS and VIM, but provides maximum benefit when used in conjunction with the Sage EDK.

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