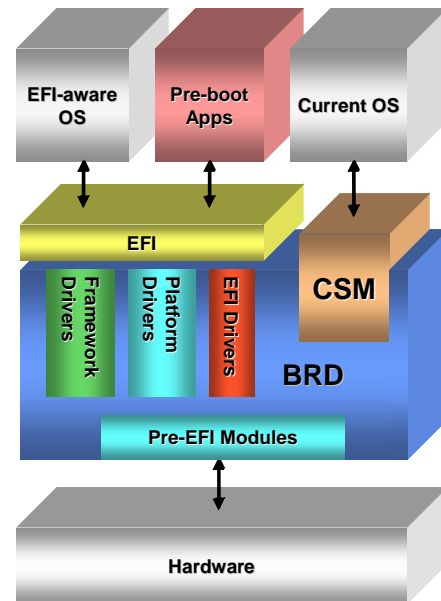


InsydeH₂O™ Essential Software Elements™

■ Key Features

- Architecture facilitates hardware innovation and speeds time to market for new platforms
- Written in 'C' language using driver model to improve engineering productivity
- Same code base supports XScale, IA-32 and IA-64
- WHQL-compliant
- Supports current operating systems and option ROMs



InsydeH₂O is a product family from Insyde Software developed using modern software engineering technology that enables the ODMs and OEMs to substantially improve their efficiency in supporting new hardware designs. This product line is the first system software that provides the “Hardware-2-OS” bridge using a modern software architecture, designed to have a useful life over the next 20 years.

Unlike traditional 16-bit real mode BIOS technology, InsydeH₂O BRD (BIOS Replacement Drivers) runs in 32-bit flat mode. Yet, despite the modern software technologies InsydeH₂O CSM (Compatibility Support Module) still provides all the necessary backwards compatibility including the run-time BIOS interface, support for option ROMs and USB legacy features.

InsydeH₂O is a fully WHQL-compliant firmware solution that employs a true modular architecture, is written in C code, and uses a driver model that enables a wide range of software engineers to be quickly productive.

Based on Intel Platform Innovation Framework for EFI this product line is CPU and chipset technology neutral, allowing PC makers to select the most appropriate hardware components to meet their market requirements. Also because the sources are hardware technology neutral, the same source code can be used to develop and then deploy across different segments from notebooks to desktops to servers, including those with different instruction sets such as x86 and Itanium Processor families.

The InsydeH₂O product family includes a pre-boot environment that can be used by the PC vendor to lower their cost of customer support. With its EFI-compliant DOS-like environment that loads from flash without booting to an operating system, InsydeH₂O creates many opportunities to improve manufacturing and test processes, that can further reduce the OEM and ODM's cost.



InsydeH₂O Product Family

BRD - BIOS Replacement Drivers

This is the EFI specification 1.10-compliant implementation of InsydeH₂O firmware that initializes and configures the hardware. It includes Intel's EFI Framework, as well as Insyde's value added Pre-EFI Initialization Modules, the Driver Execution Environment and a wide range of EFI drivers supporting a broad set of hardware and technology standards. Versions are available to support a variety of product segments.

CSM - Compatibility Support Module

This module provides the legacy BIOS run-time compatibility for current operating systems and Option ROMs. It also provides robust USB-legacy support. Versions are available to support a variety of product segments.

Insyde Control Console

This user-friendly graphical interface is an EFI application that allows the user to provide control over the computer including the ability to run programs before the operating system loads. This is also the place from which the user can select among the operating systems available to boot, and the location from which those operating systems load.

Pre-boot Applications and Tools

A variety of pre-boot applications and tools are available to enable PC vendors to lower their cost of technical support and to assist customers in resolving problems even when Windows cannot be loaded.

Equivalence

InsydeH₂O provides complete functional and operational compatibility with legacy BIOS, including the replacement of:

- CMOS Setup
- Legacy POST
- DOS Flash Updates
- Current method for updating CPU microcode

Web Information

For more information about InsydeH₂O, please visit www.InsydeH2O.com.

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