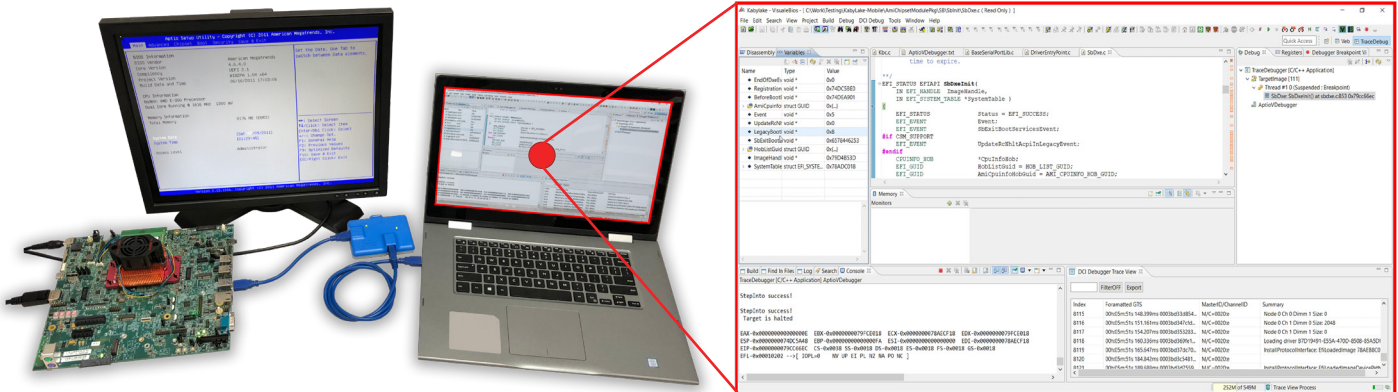


AMI Trace Hub Debugger Solution

Datasheet

A very powerful debugging solution for Intel® platforms

AMI Trace Hub Debugger



HARDWARE DEBUGGER FOR INTEL PLATFORMS

For OEM/ODMs working on Trace Hub capable Intel® platforms, AMI's Trace Hub Debugger solution is a cost-effective hardware debugger that provides UEFI firmware-specific debugging features that other hardware debuggers do not include. AMI Trace Hub Debugger uses Intel's Direct Connect Interface (DCI) and connects with [Intel's Silicon View Technology \(SVT\) Closed Chassis Adapter \(CCA\)](#) to provide in-depth, source-level debugging capabilities over USB.

Note: To use Intel's CCA, the OEM/ODMs' chipset must support Intel Trace Hub technology. Consult Intel documentation for information on chipsets with native Trace Hub support.

INTEGRATION WITH VEB

AMI provides all the necessary tools for debugging through AMI's Visual eBIOS (VeB) development environment. Before OEM/ODMs can begin the debugging process, OEM/ODMs must download the latest Aptio® V tools from AMI's Customer Portal and Debugger module from AMI's source control. Having the current version of tools ensures the best debugging experience with the newest features. The debugger eModule comes with all plugins required to enable the debugger experience within the VeB development environment.

CONNECTION REQUIREMENTS

To use the AMI Trace Hub Debugger, OEM/ODMs should ensure that they have the Intel Trace Hub properly wired to a USB 3.0 port on their platform. OEM/ODMs are encouraged to consult with their Intel documentation for additional information.

ADDITIONAL AMI VALUE-ADDS

With AMI's Trace Hub Debugger solution, OEM/ODMs have access to additional UEFI firmware specific debugging capabilities, which include:

- Support for "__debugBreak()" in code
- View trace messages simultaneously while debugging
- View loaded image notifications
- Auto load sources using target module for faster loading of sources

With these value-adds and extended debugging features, AMI Trace Hub Debugger is a powerful hardware debugger solution that provides superior debugging capabilities.

FEATURES:

- JTAG-like debugging capabilities
- Comprehensive debugging of Intel® platforms
- Drop-in, source-level debug support
- TraceHub USB 3.0 connection between target board and Closed Chassis Adapter
- Integrated with AMI's Visual eBIOS (VeB) development environment
- Add, remove and view individual breakpoints
 - Setup hardware & software breakpoints
- C-source level window
- Modifiable registers
- Memory window
- Status window
- Disassembly window
- Traceview



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