



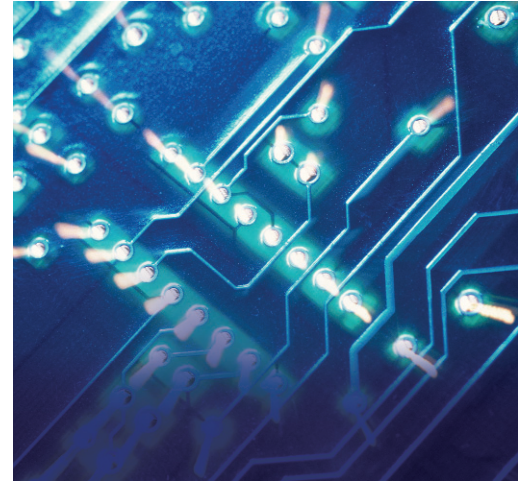
ded Software Visibility, Analysis and Verification

PowerTAP® PRO for PowerPC® ISA

Introducing PowerTAP® PRO, the advanced network connected JTAG emulator from Freescale that significantly reduces debugging time, enhancing your development team's productivity.

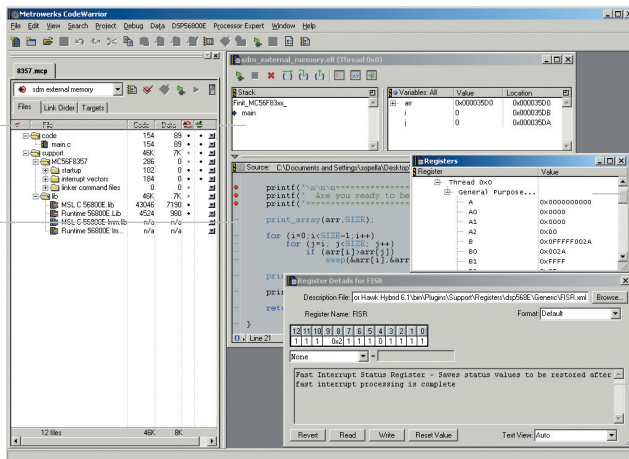
PowerTAP PRO empowers you with unmatched system visibility, and user-friendly access to control on-chip debugging services, "off-chip" memory mapped

peripherals and custom ASIC components. It also comes with the industry's most robust C/C++ debugger, CodeWarrior™ Development Tools, a feature-rich tool capable of debugging the most difficult system bugs. Combined with unbeatable visibility, control, and speed plus Freescale's customer service commitment, the new PowerTAP PRO is hands down the best emulator in the industry.



Variables

Source Debugging



Register Window

Register Details

Typical CodeWarrior Debugger session

Key Features and Benefits

Visibility and Control

PowerTAP PRO delivers much more than just access to on-chip debugging services. Using its powerful system browser, users see, document and manage not only on-chip but also the “off-chip” registers of all memory-mapped peripherals and custom ASIC components down to bit-level detail and all in one convenient interface. Find out in seconds where register value errors are located and eliminate time searching for register descriptions and translating them from large data books or specs.

PowerTAP PRO also saves you endless hours of time and frustration rebooting crash-prone systems by providing a crash-proof debugging environment that doesn't rely on functional target software or memory. Users have the choice of debugging in cache, flash or ROM and can quickly produce diagnostic tests and scripts using PowerTAP PRO's powerful scripting language.

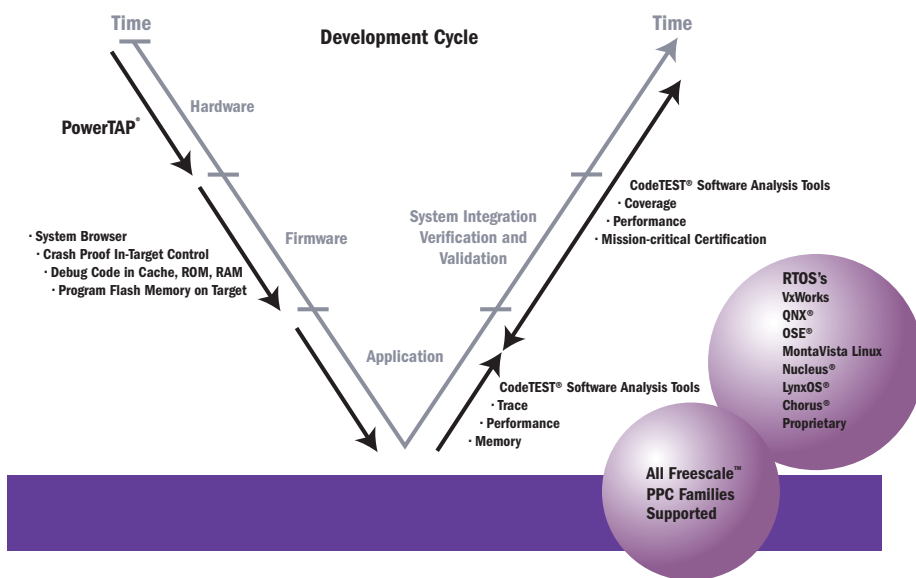
Productivity and Speed

PowerTAP PRO is fast, with JTAG download-speeds over three times faster than other emulators, a significant performance upgrade over PowerTAP II. For example, PowerTAP PRO's JTAG clock-speed runs at 64 MHz

compared with PowerTAP II's 16 MHz clock-speed. Based on a completely new platform, PowerTAP PRO delivers robust connections for DPI as well as JTAG probes.

Compatibility and Cost Conscious

No other solution comes close when you combine PowerTAP PRO's support for over 150 flash devices, industry-leading compilers, and Freescale™ PowerPC® ISA microprocessor families — and all for one price. In fact, PowerTAP PRO pays for itself in the first 20 hours of use in just code download speeds alone. PowerTAP PRO is unmatched in visibility, control, productivity, speed, features and support and is also unbeatable in price.



Technical Feature Summary

- > System browser
- > 100 BaseT Ethernet connection
- > Debug in cache, ROM, flash
- > Diagnostic testing and scripting
- > MMU/L1/L2/L3 cache support
- > CodeWarrior debugger
- > Probes: JTAG or DPI
- > Compilers: Chorus/GNU, CYGNUS/GNU, DIAB, Green Hills, Metawave, CodeWarrior, MRI or Tornado/GNU
- > Flash support for Intel®, AMD™ and Sharp components
- > Host OS Support: Windows® XP/2000/98/95, Windows NT® and Sun™ Solaris™ operating environment software

PowerPC microprocessors

- > All Freescale PowerPC ISA architectures

The Freescale Commitment

We get you up and running quickly from easy-to-follow application notes and on-site training to the best customer and technical support in the industry. We also offer tools customization and design consulting services.

Learn More: For more information about Freescale products, please visit www.freescale.com/codewarrior