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CW_GIGABITTAP

CodeWarrior Gigabit TAP

Overview   Buy / Specifications   Training & Support

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The Gigabit TAP enables Freescale target system debugging via a standard debug port (such as JTAG) while connected to a developer's workstation via Ethernet. Using the Gigabit TAP, developers can debug systems remotely or more effectively share a single system with multiple developers. Gigabit TAP is designed to work in conjunction with Freescale CodeWarrior development tools and Freescale processors. A Freescale Gigabit TAP is a critical debug tool in all phases of the project and is necessary to running a fully debugged operating a system.

Features

- Supports all available core speeds and voltages for supported Freescale processors
- Supports debugging via JTAG interface
- Automatically supports system voltage levels from 1.8 to 1.3
- In conjunction with the CodeWarrior development system, the Gigabit TAP:
  - Programs system flash memory during debug and development phases of the project, including most popular flash memories, but specifically all flash memories used with Freescale development systems
  - Controls the target development system even when the system may have crashed during development
  - Offers complete system visibility and control, including reading/writing of CPU registers, memory mapped registers, block reading/writing of memories, single step debugging, setting software and hardware breakpoints, and monitoring target system status
  - Gives control over the target system execution, including control of one or all cores, and resets
- When available, allows the addition of a high-performance daughter card for non-obtrusive real-time tracing (when available, this will be detailed in a separate data sheet)
- As a convenience feature, the Gigabit TAP probe can connect to a target systems serial port and allow telnet access to that serial port. Allows very convenient access to a remotely located system via the Gigabit TAP's Ethernet connection. This capability allows remote control of the U-boot program.

What's New

- Integrated with CodeWarrior development systems
- Up to 2.5 times faster downloads than the USB TAP
- Low voltage target support
- Expandable design using add-on daughter card
- Connects using 10/100/1000 BaseT Ethernet

System Requirements

- 10/100/1000 Ethernet on host computer
- External power supply which requires standard wall socket power input

Freescale ships multi-country power supplies

Related Software & Tools

CW_DSPA: CodeWarrior Development Studio v10.0 for Power Architecture® Technology (Eclipse)
USBTAP: CodeWarrior USB TAP

Supported Devices

P1020: QorIQ P1020 and P1011 Communications Processors
P2020: QorIQ P2020 and P2010 Communications Processors
P4040: QorIQ Embedded Multicore Processor
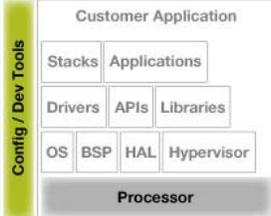
See All

Kit Contents

- Gigabit TAP Probe
- Gigabit TAP JTAG Probe TIP
- Gigabit TAP JTAG Probe TIP extension tip which allows for tight spaces
- Gigabit TAP Probe power supply

Support Policy

- Includes 12-month technical support

This Software Includes

Featured Software

Mentor Graphics EDGE software
Mentor Graphics delivers industry leading embedded software

Development Suites

Development Suites Overview
Purchase Options
Special Suite
Basic Suite
Standard Suite
Professional Suite

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