



LAUTERBACH
DEVELOPMENT TOOLS

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Structure and Contents of the Documentation

This chapter describes the structure of the TRACE32 documentation - printed as well as online.

Since the development of the TRACE32 software is always in progress, the online version of the manuals will always be more up to date than the printed version. The first pages of the printed documentation contain the issue date.

The release history in the online documentation always lists the latest changes in the TRACE32 software. When you get a new version of the TRACE32 software, please always check the [Release history](#) first.

Online Documentation

The most recent version of the TRACE32 documentation is available online.

There are several ways to get access to the documentation:

1. If the TRACE32 software is already running, you can use the **Help** command in the main menu bar.
2. On the TRACE32 software DVD and in your TRACE32 system path, you can find a directory **\PDF**. This directory contains the complete TRACE32 documentation in PDF format.

Open **directory.pdf** to get the table of contents for the complete TRACE32 documentation.

Documentation on how to use the online help can be found in chapter [Help System](#).

The documentation is *automatically* filtered by your currently used hardware configuration. The filter automatically reduces the whole documentation to the part that is relevant for you. If you want to change the filter, take a look at the command [HELP.FILTER](#).

When using the RTOS/multi task functionality, you have to enable the RTOS documentation:

<code>HELP.FILTER.ADD rtos*</code>	Enable all available RTOS documentation
<code>HELP.FILTER.ADD rtoslinux</code>	Enable only the documentation for Linux RTOS Debugger

TRACE32-ICD includes all debuggers based on an on-chip debug interface (e.g. JTAG, BMD, OCDS ...) as well as ROM monitor solutions. Lauterbach also provides a trace extension for most debuggers (TRACE32-ICT).

TRACE32-ICD comes with a tutorial that should make you familiar with important features of TRACE32-ICD. See **[“Training Simulator and Demo Software”](#)** (demo.pdf).

For more information on the features of TRACE32-ICD, refer to the following parts of the online help:

- **[“TRACE32 Installation Guide”](#)** (installation.pdf)

This part is the general installation guide for all TRACE32 development tools.

- **[“ICD In-Circuit Debugger”](#)**

This part provides all CPU specific information for your TRACE32-ICD, chiefly how to set up the debugger for your target. Here you will also find all extra features that are supported for your CPU.

- **[“General Reference Guide”](#)** (general_ref_<x>.pdf)

This part provides an alphabetical list of all debugger commands. All commands that are not available for TRACE32-ICD are marked with:

- (E) - TRACE32-ICE only
- (F) - TRACE32-FIRE only

- **[“IDE User’s Guide”](#)** (ide_user.pdf)

All TRACE32 development tools share the common user interface TRACE32 PowerView. This part describes the basic functions of the user interface (command structure, online help, editing and managing files, printer operations, etc.)

- **[“IDE Reference Guide”](#)** (ide_ref.pdf)

This part provides an alphabetical list of all TRACE32 PowerView commands.

- **[“PRACTICE Script Language User’s Guide”](#)** (practice_user.pdf)

The TRACE32 script language PRACTICE is mainly used to perform automatic setups, to automate test sequences or to store the system settings for later recall. This part describes the basic structure and features of PRACTICE.

- **[“PRACTICE Script Language Reference Guide”](#)** (practice_ref.pdf)

This part provides an alphabetical list of all PRACTICE commands.

- **[“ICD Extensions”](#)**

Refer to this part if you want to use the TPU debugger or the PCP debugger.

- **[“RTOS Debuggers”](#)** (rtos_<x>.pdf)

Refer to this part if you want to use the TRACE32 RTOS Debugger.

- **[“3rd Party Tool Integrations”](#)** (int_<x>.pdf)

Refer to this part, if you want to run TRACE32-ICD from a 3rd-party user interface.

TRACE32-ICE comes with 4 binders which provide documentation support for all its capabilities.

TRACE32-ICE is divided into two major functional units: the emulator and the analyzer.

- The emulator-part of TRACE32-ICE is responsible for carrying out debugging functions, for managing breakpoints, for displaying memory and high-level-language structures and for code coverage.
- The analyzer-part of TRACE32-ICE is responsible for displaying and managing the trace buffer, for programming the analyzer trigger unit to perform selective tracing and to carry out complex trigger sequences, for statistic functions and performance analyses.

The following list will give you an idea of the contents of each manual.

“ICE User’s Guide” (ice_user.pdf)	This parts makes you familiar with the concept and the main features of the emulator-part of TRACE32-ICE.
“ICE Targets”	This part provides all CPU specific information for your TRACE32-ICE, chiefly how to set up TRACE32-ICE for your target. Here you will also find all extra features that are supported for your CPU.
“General Reference Guide”	This part provides an alphabetical list of all commands for the emulator-part of TRACE32-ICE. All commands that are not available for TRACE32-ICE are marked with (B) - TRACE32-ICD only or (F) -TRACE32-FIRE only.
“ICE/FIRE Analyzer User’s Guide” (analyzer_user.pdf)	This part makes you familiar with the concept and the main features of the analyzer-part of TRACE32-ICE.
“ICE/FIRE Analyzer Trigger Unit Programming Guide” (analyzer_prog.pdf)	This part makes you familiar with the concept of the trigger programming language. It contains examples for trigger programs and alphabetical lists of all actions and input events.
“About the TRACE32 Online Help” (main.pdf)	All TRACE32 development tools share the common user interface TRACE32-PowerView. This part describes the basic functions of the user interface (command structure, online help, editing and managing files, printer operations etc.).
“IDE Reference Guide” (ide_ref.pdf)	This part provides an alphabetical list of all operating system commands.
“PRACTICE Script Language User’s Guide” (practice_user.pdf)	The TRACE32 batch language PRACTICE is mainly used to perform automatic setups, to automate test sequences or to store the system settings for later recall. This part describes the basic structure and features of the PRACTICE programming language.
“PRACTICE Script Language Reference Guide” (practice_ref.pdf)	This part provides an alphabetical list of all PRACTICE instructions.

“ICD Extensions”	Refer to this part, if you want to use the TPU debugger.
”RTOS Debuggers”	Refer to this part if you want to use the TRACE32 RTOS Debugger. Use the command HELP.FILTER.ADD rtos* to see all RTOS documentation.
”Front-end”	Refer to this part, if you want to run TRACE32-ICE from a 3rd party user interface.
“TRACE32 Installation Guide” (installation.pdf)	This part is the general Installation Guide for all TRACE32 development tools.
“ICE Port Analyzer User’s Guide” (port_user.pdf)	Your TRACE32-ICE can be enhanced by a port analyzer to trace additional CPU lines. A description of the Port Analyzer and its features is provided in the “ICE Port Analyzer User’s Guide” (port_user.pdf).
“Timing Analyzer”	The Timing Analyzer provides timing and state analysis, a pattern generator and a serial line tester. A description of the Timing Analyzer and its features is provided in the “Timing Analyzer User’s Guide” (time_user.pdf), the “Timing Analyzer Reference Guide” (time_ref.pdf) and the “Timing Analyzer Trigger Unit Programming Guide” (time_prog.pdf).

Fully Integrated RISC Emulator TRACE32-FIRE

TRACE32-FIRE comes with 4 binders which provide documentation support for all its capabilities.

The following list will give you an idea of the contents of each manual.

"FIRE User's Guide" (fire_user.pdf)	This parts makes you familiar with the concept and the main features of TRACE32-FIRE.
"FIRE Targets"	This part provides all CPU specific information for your TRACE32-FIRE, chiefly how to set up TRACE32-FIRE for your target. Here you will also find all extra features that are supported for your CPU.
"General Reference Guide"	This part provides an alphabetical list of all commands for debugging and trace with TRACE32-FIRE. All commands that are not available for TRACE32-FIRE are marked with (B) - TRACE32-ICD only or (E) - TRACE32-ICE only.
"ICE/FIRE Analyzer Trigger Unit Programming Guide" (analyzer_prog.pdf)	This part makes you familiar with the concept of the trigger programming language. It contains examples for trigger programs and alphabetical lists of all actions and input events.
"About the TRACE32 Online Help" (main.pdf)	All TRACE32 development tools share the common user interface TRACE32-PowerView. This part describes the basic functions of the user interface (command structure, online help, editing and managing files, printer operations etc.).
"IDE Reference Guide" (ide_ref.pdf)	This part provides an alphabetical list of all operating system commands.
"PRACTICE Script Language User's Guide" (practice_user.pdf)	The TRACE32 batch language PRACTICE is mainly used to perform automatic setups, to automate test sequences or to store the system settings for later recall. This part describes the basic structure and features of the PRACTICE programming language.
"PRACTICE Script Language Reference Guide" (practice_ref.pdf)	This part provides an alphabetical list of all PRACTICE instructions.
"ICD Extensions"	Refer to this part, if you want to use the TPU debugger and PCP debugger.
"RTOS Debuggers"	Refer to this part if you want to use the TRACE32 RTOS Debugger. Use the command HELP.FILTER.ADD rtos* to see all RTOS documentation.
"Front-end"	Refer to this part, if you want to run TRACE32-FIRE from a 3rd party user interface.

“TRACE32 Installation Guide” (installation.pdf)	This part is the general Installation Guide for all TRACE32 development tools.
“FIRE Port Analyzer User’s Guide” (fireport_user.pdf)	Your TRACE32-FIRE can be enhanced by a port analyzer to trace additional CPU lines. A description of the Port Analyzer and its features is provided in the “FIRE Port Analyzer User’s Guide” (fireport_user.pdf).

About the TRACE32 Online Help	(main.pdf)
TRACE32 Glossary	(glossary.pdf)
TRACE32 Debugger Getting Started	
ICD Quick Installation	(icd_quick_installation.pdf)
T32Start	(app_t32start.pdf)
Establish Your Debug Session	(tutor_setup.pdf)
ICD Tutorial	(icd_tutorial.pdf)
TRACE32 Documents	
IDE User Interface	
IDE User's Guide	(ide_user.pdf)
IDE Reference Guide	(ide_ref.pdf)
PRACTICE Script Language	
PRACTICE Script Language User's Guide	(practice_user.pdf)
PRACTICE Script Language Reference Guide	(practice_ref.pdf)
TRACE32 Functions	
IDE Functions	(ide_func.pdf)
General Functions	(general_func.pdf)
Stimuli Generator Functions	(stg_func.pdf)
Application Notes for PRACTICE	
Converter from GEL to PRACTICE	(converter_gel.pdf)
General Commands	
General Commands Reference Guide A	(general_ref_a.pdf)
General Commands Reference Guide B	(general_ref_b.pdf)
General Commands Reference Guide C	(general_ref_c.pdf)
General Commands Reference Guide D	(general_ref_d.pdf)
General Commands Reference Guide E	(general_ref_e.pdf)
General Commands Reference Guide F	(general_ref_f.pdf)
General Commands Reference Guide G	(general_ref_g.pdf)
General Commands Reference Guide H	(general_ref_h.pdf)
General Commands Reference Guide I	(general_ref_i.pdf)

General Commands Reference Guide J	(general_ref_j.pdf)
General Commands Reference Guide K	(general_ref_k.pdf)
General Commands Reference Guide L	(general_ref_l.pdf)
General Commands Reference Guide M	(general_ref_m.pdf)
General Commands Reference Guide N	(general_ref_n.pdf)
General Commands Reference Guide O	(general_ref_o.pdf)
General Commands Reference Guide P	(general_ref_p.pdf)
General Commands Reference Guide Q	(general_ref_q.pdf)
General Commands Reference Guide R	(general_ref_r.pdf)
General Commands Reference Guide S	(general_ref_s.pdf)
General Commands Reference Guide T	(general_ref_t.pdf)
General Commands Reference Guide U	(general_ref_u.pdf)
General Commands Reference Guide V	(general_ref_v.pdf)
General Commands Reference Guide W	(general_ref_w.pdf)
General Commands Reference Guide X	(general_ref_x.pdf)
General Commands Reference Guide Y	(general_ref_y.pdf)
General Commands Reference Guide Z	(general_ref_z.pdf)

High-Level Language Debugging

Application Note C++ Debugging	(app_cpp_debugging.pdf)
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FLASH Programming

Onchip/NOR FLASH Programming User's Guide	(norflash.pdf)
NAND FLASH Programming User's Guide	(nandflash.pdf)
Serial FLASH Programming User's Guide	(serialflash.pdf)
eMMC FLASH Programming User's Guide	(emmcflash.pdf)
List of Supported FLASH Devices	(flashlist.pdf)

Application Notes for FLASH

How to Write your own FLASH Algorithm	(flash_app_own_algorithm.pdf)
Tips to Solve NOR FLASH Programming Problems	(flash_diagnosis.pdf)
How to Write your own FLASHFILE Algorithm	(flashfile_app_own_algorithm.pdf)

Boundary Scan

Boundary Scan User's Guide	(boundary_scan.pdf)
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TRACE32 Lua Library

TRACE32 Lua Library	(lua_library.pdf)
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Intel® DCI [Direct Connect Interface]

Debugging via Intel® DCI User's Guide(dci_intel_user.pdf)

Peripheral Files

Peripheral Files Programming Commands (per_prog.pdf)

Converter SPIRIT XML to PER Commands (converter_spiritxml.pdf)

Trace Analysis

Trace Application Notes

Application Note for the Trace.Find Command (app_trace_find.pdf)

AutoFocus User's Guide (autofocus_user.pdf)

System Trace

System Trace User's Guide(trace_stm.pdf)

UEFI Debuggers

UEFI BLDK Debugger(uefi_bldk.pdf)

UEFI H2O Debugger(uefi_h2o.pdf)

UEFI TianoCore Debugger(uefi_tiano.pdf)

RTOS Debuggers

RTOS Debugger for AMX(rtos_amx.pdf)

RTOS Debugger for ARTK (rtos_artk.pdf)

RTOS Debugger for ARTX-166(rtos_rtxartx166.pdf)

RTOS Debugger for ChibiOS/RT (rtos_chibios.pdf)

RTOS Debugger for Chorus Classic(rtos_chorus_classic.pdf)

RTOS Debugger for Chorus Micro (rtos_chorus_micro.pdf)

RTOS Debugger for Cmicro (rtos_cmicro.pdf)

RTOS Debugger for CMX(rtos_cmx.pdf)

RTOS Debugger for CMX-TINY+ (rtos_cmx_tiny.pdf)

RTOS Debugger for DSP/BIOS(rtos_bios.pdf)

RTOS Debugger for eCos(rtos_ecos.pdf)

RTOS Debugger for embOS (rtos_embos.pdf)

RTOS Debugger for FAMOS (rtos_famos.pdf)

RTOS Debugger for FreeRTOS(rtos_freertos.pdf)

RTOS Debugger for HI7000(rtos_hi7000.pdf)

RTOS Debugger for Linux

RTOS Debugger for Linux - Run Mode(rtos_linux_run.pdf)

RTOS Debugger for Linux - Stop Mode	(rtos_linux_stop.pdf)
Training Linux Debugging	(training_rtos_linux.pdf)
RTOS Debugger for LynxOS	(rtos_lynx.pdf)
RTOS Debugger for MicroC/OS-II	(rtos_ucos.pdf)
RTOS Debugger for MicroC/OS-III	(rtos_ucos3.pdf)
RTOS Debugger for MicroC3/Compact	(rtos_uc3cmp.pdf)
RTOS Debugger for MicroC3/Standard	(rtos_uc3std.pdf)
RTOS Debugger for MQX	(rtos_mqx.pdf)
RTOS Debugger for MTOS-UX	(rtos_mtos.pdf)
RTOS Debugger for NetBSD	(rtos_netbsd.pdf)
RTOS Debugger for NORTi	(rtos_norti.pdf)
RTOS Debugger for Nucleus PLUS	(rtos_nucleus.pdf)
RTOS Debugger for OKL4	(rtos_okl4.pdf)
RTOS Debugger for OS21	(rtos_os21.pdf)
RTOS Debugger for OS-9	(rtos_os9.pdf)
RTOS Debugger for OSE Classic	(rtos_ose_classic.pdf)
RTOS Debugger for OSE Delta	(rtos_ose_delta.pdf)
RTOS Debugger for OSE Epsilon	(rtos_ose_epsilon.pdf)
RTOS Debugger for OSEck	(rtos_oseck.pdf)
RTOS Debugger for OSEK/ORTI	(rtos_orti.pdf)
Application Note for OSEK/ORTI	
Trace Export for Third-Party Timing Tools	(app_timing_tools.pdf)
RTOS Debugger for PikeOS	(rtos_pikeos.pdf)
RTOS Debugger for PrKERNEL	(rtos_prkernel.pdf)
RTOS Debugger for pSOS+	(rtos_psos.pdf)
RTOS Debugger for PXROS	(rtos_pxros.pdf)
RTOS Debugger for QNX - Run Mode	(rtos_qnx_run.pdf)
RTOS Debugger for QNX - Stop Mode	(rtos_qnx_stop.pdf)
RTOS Debugger for REALOS	(rtos_realos.pdf)
RTOS Debugger for RealTimeCraft	(rtos_realtimecraft.pdf)
RTOS Debugger for RTEMS	(rtos_rtems.pdf)
RTOS Debugger for RTOS/7700	(rtos_rt7700.pdf)

RTOS Debugger for RTX166	(rtos_rtx166.pdf)
RTOS Debugger for RTX166 tiny	(rtos_rtx166_tiny.pdf)
RTOS Debugger for RTX51	(rtos_rtx51.pdf)
RTOS Debugger for RTX51 tiny	(rtos_rtx51_tiny.pdf)
RTOS Debugger for RTX-ARM	(rtos_rtxarm.pdf)
RTOS Debugger for RTXC	(rtos_rtxc.pdf)
RTOS Debugger for RTXC Quadros	(rtos_quadros.pdf)
RTOS Debugger for Rubus OS	(rtos_rubus.pdf)
RTOS Debugger for Sciopta	(rtos_sciopta.pdf)
RTOS Debugger for SMX	(rtos_smx.pdf)
RTOS Debugger for Symbian OS EKA1	(rtos_epoc.pdf)
RTOS Debugger for Symbian OS EKA2 - Run Mode	(rtos_symb2_run.pdf)
RTOS Debugger for Symbian OS EKA2 - Stop Mode	(rtos_symb2_stop.pdf)
RTOS Debugger for SYS/BIOS	(rtos_sysbios.pdf)
RTOS Debugger for ThreadX	(rtos_threadx.pdf)
RTOS Debugger for uClinux	(rtos_uclinux.pdf)
RTOS Debugger for uiPLUS	(rtos_uiplus.pdf)
RTOS Debugger for VDK	(rtos_vdk.pdf)
RTOS Debugger for VRTX32/68K	(rtos_vrtx.pdf)
RTOS Debugger for VRTX80	(rtos_vrtx_80.pdf)
RTOS Debugger for VRTXmc/68K	(rtos_vrtx_mc.pdf)
RTOS Debugger for VRTXsa	(rtos_vrtx_sa.pdf)
RTOS Debugger for VxWorks	(rtos_vxworks.pdf)
RTOS Debugger for Windows CE4/CE5	(rtos_windows_ce.pdf)
RTOS Debugger for Windows CE6/EC7/EC2013	(rtos_windows_ce6.pdf)
RTOS Debugger for Windows Standard	(rtos_windows.pdf)
RTOS Debugger for ZeOS	(rtos_zeos.pdf)
RTOS Debugger for Zephyr	(rtos_zephyr.pdf)
Hypervisor Support	
Hypervisor Awareness for Wind River Hypervisor	(hv_windriver.pdf)
VM Debugging	
VM Debugger Dalvik	(vmdalvik.pdf)
Application Note for Android	

TRACE32 JTAG Bridge for Android	(android_jtag_bridge.pdf)
GDB Support	
TRACE32 as GDB Front-End	(frontend_gdb.pdf)
TRACE32 as GDB Back-End	(backend_gdb.pdf)
Converter from GDB to PRACTICE	(converter_gdb.pdf)
Virtual Targets	
Virtual Targets User's Guide	(virtual_targets.pdf)
Debug Back-Ends	
GTL Debug Back-End	(backend_gtl.pdf)
Debugging via USB User's Guide	(usbdebug_user.pdf)
XCP Debug Back-End	(backend_xcp.pdf)
Target Server	
EPOC Target Server	(monitor_epoc.pdf)
OSE Target Server	(monitor_ose.pdf)
TRACE32 pdebug Target Server for ARM	(monitor_pdebug_arm.pdf)
Native Process Debugger	(windows_debugger.pdf)
TRACE32 as TCF Agent	(app_tcf_setup.pdf)
3rd Party Tool Integrations	
Integration for CodeBlocks	(int_codeblock.pdf)
Integration for CodeWright	(int_codewright.pdf)
Integration for EasyCase	(int_easycase.pdf)
Integration for eXDI2 on Windows CE Platform Builder	(int_exdi2.pdf)
Integration with LabView	(int_labview.pdf)
Integration with OSE Illuminator	(int_ose.pdf)
Integration for Rhapsody in C/C++	(int_rhapsody_cpp.pdf)
Integration for Rhapsody in MicroC	(int_rhapsody_mc.pdf)
Integration for Simulink	(int_simulink.pdf)
Integration for Tornado I, agentless	(int_tornado.pdf)
Integration for Tornado I, WDB-agent	(int_tornado_agent.pdf)
Integration for Visual Basic Interface	(int_visualbasic.pdf)
Integration for Xilinx ISE	(int_ise.pdf)
Integration for Xilinx Vivado	(int_vivado.pdf)
Integration for X-Tools and X32	(int_xtools.pdf)

TRACE32 Instruction Set Simulators

API for TRACE32 Instruction Set Simulator	(simulator_api.pdf)
Simulator for 68K/ColdFire	(simulator_68k.pdf)
Simulator for ARC	(simulator_arc.pdf)
Simulator for ARM and XSCALE	(simulator_arm.pdf)
Simulator for C166/ST10	(simulator_c166.pdf)
Simulator for H8/300, H8/300H and H8S	(simulator_h8.pdf)
Simulator for HC08/MS08	(simulator_hc08.pdf)
Simulator for HC12/MCS12	(simulator_hc12.pdf)
Simulator for Intel® x86/x64	(simulator_x86.pdf)
Simulator for MIPS	(simulator_mips.pdf)
Simulator for NIOS-II	(simulator_nios.pdf)
Simulator for PowerPC	(simulator_ppc.pdf)
Simulator for SuperH	(simulator_sh.pdf)
Simulator for TriCore	(simulator_tricore.pdf)
Simulator for Z80+	(simulator_z80.pdf)

ICD In-Circuit Debugger

ICD Debugger User's Guide	(debugger_user.pdf)
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ICD Add-Ons

EPROM/FLASH Simulator	(eprom_simulator.pdf)
TPU Debugger	(tpu.pdf)

Processor Architecture Manuals

78K

78K0R/RL78 Debugger	(debugger_78k.pdf)
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Andes

Andes Debugger	(debugger_andes.pdf)
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APEX

APEX Debugger	(debugger_apex.pdf)
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APS

APS Debugger	(debugger_aps.pdf)
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ARC

ARC Debugger	(debugger_arc.pdf)
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ARM/CORTEX/XSCALE

ARM Debugger	(debugger_arm.pdf)
ARM and XSCALE Monitor	(monitor_arm.pdf)
ARMv8-A/-R Debugger	(debugger_armv8a.pdf)
Cortex-M Debugger	(debugger_cortexm.pdf)
uTrace for Cortex-M User's Guide	(microtrace_cortexm.pdf)
ARM-ETM Trace	(trace_arm_etm.pdf)
ARM-ETM Training	(training_arm_etm.pdf)
ARM-ETM Programming Dialog	(trace_arm_etm_dialog.pdf)
ARM-ETM RTS User's Guide	(rts_user.pdf)
RAM Trace Port	(trace_rtp.pdf)
ARM Application Notes	
ARM JTAG Interface Specifications	(app_arm_jtag.pdf)
Setup of the Debugger for a CoreSight System	(app_arm_coresight.pdf)
Debugging Embedded Cores in Xilinx FPGAs [Zynq]	(app_xilinx_zynq.pdf)
ARM Application Note for MXC Chips	(app_arm_mxc.pdf)
AVR32	
AVR32 Debugger and NEXUS Trace	(debugger_avr32.pdf)
AVR8	
AVR8 Debugger	(debugger_avr8.pdf)
Beyond	
Beyond Debugger and Trace	(debugger_beyond.pdf)
Blackfin	
Blackfin Debugger	(debugger_blackfin.pdf)
C166 Family	
XC2000/XC16x/C166CBC Debugger	(debugger_166cbc.pdf)
XC16x Application Notes	
Application Note Debug Cable C166	(c166_app_ocds.pdf)
C166 Monitor	(monitor_c166.pdf)
C166 Family Trace	(trace_c166.pdf)
CEVA-Oak/Teak/TeakLite	
CEVA-Oak/Teak/TeakLite Debugger	(debugger_oak.pdf)
CEVA-X	
CEVA-X Debugger	(debugger_cevax.pdf)

CPU32 and ColdFire

CPU32/ColdFire Debugger and Trace (debugger_68k.pdf)

DSP56K

DSP56K Debugger (debugger_56000.pdf)

eTPU

eTPU Debugger and Trace(debugger_etpu.pdf)

GTM

GTM Debugger and Trace(debugger_gtm.pdf)

H8S

H8S/23x9 Debugger (debugger_h8s.pdf)

H8S and H8/300H Monitor (monitor_h8.pdf)

Hexagon

Hexagon Debugger(debugger_hexagon.pdf)

Hexagon-ETM Trace (trace_hexagon_etm.pdf)

M32R

M32R Debugger and Trace(debugger_m32r.pdf)

M8051EW

M8051EW Debugger (debugger_m8051ew.pdf)

8051XC

R8051XC Debugger (debugger_r8051xc.pdf)

MAC71xx/72xx

MAC71xx/72xx NEXUS Debugger and Trace (nexus_mac.pdf)

MCS08

MCS08 Debugger (debugger_hc08.pdf)

MCS12

MCS12 Debugger (debugger_hc12.pdf)

MicroBlaze

MicroBlaze Debugger and Trace(debugger_microblaze.pdf)

Application Notes for MicroBlaze

Connecting to MicroBlaze Targets for Debug and Trace(app_microblaze.pdf)

Modifying Xilinx ML605 for Direct JTAG Access (app_ml605.pdf)

MIPS

MIPS Debugger and Trace (debugger_mips.pdf)

MMDSP

MMDSP Debugger(debugger_mmdsp.pdf)

MMDSP NEXUS Debugger and Trace(nexus_mmdsp.pdf)

MMDSP Application Note

Debugging NMF Applications with TRACE32(app_mmdsp.pdf)

MSP430

MSP430 Debugger(debugger_msp430.pdf)

M-Core

M-Core Debugger(debugger_mcore.pdf)

NIOS

NIOS II Debugger and Trace(debugger_nios.pdf)

NIOS II Application Note

NIOS II Instantiating the Off-chip Trace Logic(app_nios.pdf)

PPC400/PPC440

PPC400/PPC440 Debugger and Trace(debugger_ppc400.pdf)

Application Note for PPC400/PPC440

Debugging Embedded Cores in Xilinx FPGAs [PPC4xx](app_xilinx_ppc400.pdf)

MPC500/PQ

MPC5xx/8xx Debugger and Trace(debugger_ppc.pdf)

MPC56x NEXUS Debugger and Trace(nexus_mpc5xx.pdf)

PQII, MPC5200, MPC603/7xx, MPC74xx

PPC600 Family Debugger(debugger_ppc600.pdf)

PQII Trace(trace_mpc82xx.pdf)

PQIII

PQIII Debugger(debugger_ppcpq3.pdf)

PWRficient

PWRficient Debugger(debugger_pwr.pdf)

QORIQ

QorIQ Debugger and NEXUS Trace(debugger_ppcqoriq.pdf)

Qorivva MPC5xxx/SPC5xx

Qorivva MPC5xxx/SPC5xx Debugger and NEXUS Trace(debugger_mpc5500.pdf)

Application Note for Nexus MPC5xxx

Complex Trigger Unit for Nexus MPC5xxx(app_ctu_mpc5xxx.pdf)

RH850

RH850 Debugger and Trace(debugger_rh850.pdf)

RX Debugger

RX Debugger (debugger_rx.pdf)

StarCore

StarCore Debugger and Trace (debugger_starcore.pdf)

StarCore Application Note

StarCore Application Note for MXC Chips (starcore_mxc_app.pdf)

SuperH

SH2, SH3 and SH4 Debugger (debugger_sh4.pdf)

SH2 Monitor (monitor_sh.pdf)

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MCDS User's Guide (mcds_user.pdf)

TriCore Application Notes

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ICE Analyzer System

ICE/FIRE Analyzer User's Guide (analyzer_user.pdf)

ICE Analyzer Programming

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ICE Performance Analyzer User's Guide (performance_user.pdf)

ICE Port Analyzer User's Guide (port_user.pdf)

ICE Memory Modules (ice_memory_modules.pdf)

ICE Target Guides

ICE Emulator for 68000 (ice_68000.pdf)

ICE Emulator for MC68000 and MC6830X (ice_68300.pdf)

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FIRE Target Guides

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FIRE Emulator for C166S V2 Family	(fire_xc166.pdf)
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Debugger Training

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Training ARM-ETM

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TRACE32 Installation

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