

i3070 In-Circuit Test System

E9988EL E9988E E9986E E9905G
E9903G E9902G E9988GL

Keysight i3070 Software Version 11.30p

Release Version:	11.30p
Release Date:	January 2026
Operating System:	Windows 11 Pro Windows 10 Pro (64-bit) Windows 10 Enterprise (64-bit)
System Requirements:	i3070 In-Circuit Test System or test development station
Release Type:	Major release

New Features and Enhancements

ICT-856	Software checking will recognize multiple SUS licenses.
ICT-791	Inline: Add Belt Exposure and Rail Offset information to fixture file, to benefit the fixture manufacturers.
ICT-540	IPG will create a digital node library to measure the natural state on pull-up and pull-down nodes.
ICT-562	Report only positive values for open jumper tests.
ICT-601	Secure calibration report and limit files from unauthorized editing.
ICT-630	Improvements on Calibration Software.
ICT-727	More information in error message for cluster test containing closed jumpers and inductors.
ICT-737	Global option Test Limit Calculation ON/OFF in board file will apply to jumper tests as well.
ICT-765	JSON log enhancement.
ICT-777	Online help: Add more information on how shorts failure is reported.
ICT-790	“log timestamp on” in testplan will generate timestamp on subroutines as well.
ICT-813	Online help: Add CA 2.0.
ICT-818	Report individual devices if cluster test fails.
ICT-819	Add an option in config file to allow user preference for cluster test generation (cluster or individual or both).
ICT-843	Color code change in graphical display of VTEP test results to make it more user friendly.
MTP-1783	Rename Coverage Analyst 2.0 to TQC (Test Quality Consultant).
ICT-814	Add TQC desktop short-cut after software installation.
ICT-369	New variable FixtureTooling.DaisyChainSenseSignalWire in .hp3070 file to allow sense and signal wires to be daisy chained together during fixture tooling phase.
ICT-439	New variable Tpw.SortTestplan in .hp3070 file to allow the sorting and grouping of tests in the testplan.
ICT-435	Fixture Consultant can now show metric measurements.
ICT-546	New global option Probe To BRC Ratio <value> in the board file to limit the maximum BRC pins that one probe can connect to.
ICT-608	Automate GR&R calculations in TQC.
ICT-629	Add a Compile for all Boards in Panel option in Pushbutton Debug.
ICT-661	IPG will add guard to jumper test if needed.

ICT-669	New global option Prioritize Probe Consistency in board file for Probe Selection, to choose identical probes for panelized board.
ICT-690	New global option to allow same location for multiple pins in board file.
ICT-692	TQC: Bypass capacitor will be evaluated to determine whether it is tested.
ICT-694	Allow user to export devices without XY data to a text file in Board Consultant.
ICT-697	Allow CA 2.0 to have default size rather than always full screen.
ICT-696	Bring back “Components without test” link in CA 2.0.
ICT-705	Bring back four functionalities of fault weights in TQC.
ICT-713	TQC to support custom diode pin test for pin coverage report.
ICT-714	Fixture Verification Tool: The user can choose to run full testplan without stopping if there are failures.
ICT-725	Fixture Verification Tool enhancements.
ICT-768	Fixture Verification Tool: Add node name as comment for each line.

Resolved Issues

ICT-862	Fixed: License file is not recognized due to wrong description of the network card in the registry.
ICT-847	Fixed: MPA Internal error 23/119/0.
ICT-845	Fixed: Probe selection reports node inaccessible if access point overlaps with device.
ICT-841	Fixed: CAPS lock key failed intermittently in BT-Basic with Xserver.
ICT-837	Fixed: BCF Syntax Checker gives errors if two different device pins share the same location.
ICT-827	Fixed: Missing data log format information for CET in online help.
ICT-815	Fixed: Fixture overflow during module pin assignment / fixture tooling.
ICT-809	Fixed: Title bar shows ***** and cannot do right-click paste with Xserver.
ICT-807	Fixed: Long probes defined in board_xy file are not included in fixture.o file.
ICT-805	Fixed: ERROR BCP597 during board compilation for extra large board.
ICT-804	Fixed: When option Maximize Socketed PPins is enabled in board file, the second row of ASRU C card is drilled.
ICT-796	Fixed: Multi device STAPL file JAM player crashes BTI and Pushbutton Debug.
ICT-792	Fixed: Invisible text of IPG Test Consultant with Xserver.
ICT-773	Fixed with XTPB firmware change: T91 Test result buffer overflow/underflow error.

ICT-665	Fixed: looptest with logfinal option still logs all the failed attempts.
ICT-788	Fixed: USI server is not working on software version 11.10p (issue with RINIT and RCALL commands).
ICT-812	Fixed: Incorrect datalog info for Drivethru in the online help.
ICT-857	Fixed: Generated cluster tests are not added to testorder and testplan.
ICT-858	Fixed: The procedure for alignment checking for inline system is incorrect in the online help.
ICT-859	Fixed: Prioritize Probe Consistency ON does not work correctly.
ICT-864	Fixed: Probe Select Internal error 119/17/0.
ICT-868	Fixed: Significant more pins are blocked for long probes.
ICT-871	Fixed: Incorrect datalogging format type in the online help.
ICT-808	Fixed: Coverage Analyst does not calculate coverage for those devices tested in long_analog_functional_tests subroutine.
ICT-801	Fixed: Confusing message during software uninstallation.
ICT-330	Fixed: Mixed tests that use auxilliary resources will fail in ATM (Advanced Throughput Multiplexer) mode.
ICT-551	Fixed: Error Message: The file or directory was not found during Pushbutton Debug.
ICT-668	Fixed: Mixed Test – Digital test failure is not displayed if both analog and digital tests fail.
ICT-686	Fixed: Board Consultant shows all X,Y probe locations as bead probes.
ICT-689	Fixed: Fixture summary and insert file showing LONG instead of probe size.
ICT-695	Fixed: CA 1.0 hangs when generating report.
ICT-729	Fixed: Subroutine Update_Status was not added to testplan.bdg.
ICT-758	Fixed: Nested part library is not evaluated correctly for pull-up/pull-down digital test.
ICT-770	Fixed: Removing a 50mil probe during ECO caused internal error in IPG.
ICT-684	Fixed: Issue with BLOCK log records when report level is all.

Appendix A

New firmware for ControlXTPB card

New firmware (version 25093015_2) for the ControlXTPB card is released together with the i3070 11.30p software, for the MUX and UNMUX systems.

After the i3070 11.30p software is installed, the firmware update files *XTPB_SoC_HPS_UnMux.img* and *XTPB_SoC_HPS_Mux.img* can be found in the *C:\i3070_ICT\lib* folder.

(Alternatively, the firmware update files can be downloaded from [Keysight.com](https://www.keysight.com).)

Follow the ControlXTPB firmware update procedure to apply this update to systems with ControlXTPB cards.

Appendix B

Active hardware products for 11.30p

Hardware product	Remarks
ASRU Rev N	Works on 08.00p or later
ControlXTPB	Works on 10.00p or later
HybridPlus DD 6/12/20 MP/s “C” version	Part number E4000-6x8xx
Hybrid Quad Density Pin Card	Works on 11.00p or later
AnalogPlus (DD) C” version	Part number E4000-6x8xx
AccessPlus (SD)	
Utility Card	Works on 08.00p or later
DUT Power Supplies	
N5747A	Works on 08.20p or later
N6751A, N6752A, N6746A, N6773A	Works on 08.40p or later
i-System Card 2	Works on 10.30p or later
HP Engage Flex G2 PC Controller	Windows 11 or later

Software support transition notice

With the release of i3070 software version 11.30p, version 11.10p is now in Limited Support and will only receive critical bug fixes and essential security patches. Users are encouraged to upgrade for full support and new features.

Software validation process

All software releases for i3070 have been reviewed and tested in accordance with a Software Quality and Verification Plan. This effort consists of design and code reviews; unit and regression tests; system testing, and multi-day simulated production runs. This process ensures that the software has not regressed due to enhancements or fixes implemented and continues to stay functional for the purpose of operating the i3070 within the parameters described by the product documentation.

This statement describes the high-level measures Keysight Technologies has taken to ensure continual delivery of quality products to our customers. This however, in no way supersedes any Keysight instructions or specifications for the use of the i3070 and related software release, or the terms and conditions of sale. This statement does not constitute any additional expressed or implied warranty.

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