



**Agilent Technologies**

## **Agilent Medalist i3070 08.30p Software Release**

### **Release Notes**

Dear customer,

Agilent Technologies is pleased to introduce the Medalist i3070 08.30p software release for existing Medalist i3070 Series 5 and i3070 in-circuit testers.

The Agilent Medalist i3070 08.30p software release is a complete installation that includes enhancements and improvements to software stability. It can be installed on testheads and test development workstations with Windows 7 32-bit and Windows XP 32-bit operating systems. It can also be installed on test development workstations with Windows 7 64-bit operating system.

In this release, we have enabled the BT-Basic DLL integration to allow customers to call any external DLL functions within the Basic environment. In addition, we introduced a new rp5800 computer model.

The Medalist i3070 08.30p release includes Medalist i3070 LED Test, an industry first digital test to inspect color and intensity of LEDs in the visible light spectrum (400–660 nm). Also enabled is a global setting that can be turned on during test development for generating DC mode capacitor tests. For UnMux system users, the relay diagnose license has been replaced by an advanced diagnostics reporting license.

You will continue to enjoy the transportability, reliability and stability of the test system that you have grown so familiar with, including the capability to test at low voltages.

Software enhancements and resolution of defects are included and listed in appendix A. Appendix B shows the software compatibility matrix.

For more news and updates for the 08.30p software release, please visit <http://www.agilent.com/see/i3070patches>

# What's New in Agilent Medalist i3070 08.30p Software Release

The Medalist i3070 08.30p software release provides the following features\*:

1. BT-Basic DLL Integration
2. Agilent Medalist i3070 LED Test
3. HP rp5800 Controller
4. Board Setting Allows IPG to Write AC or DC Mode Capacitor Test
5. Special Aux Feature
6. Third Party Software

## 1. BT-Basic DLL Integration

The BT-Basic DLL Integration feature allows users to call any external DLL functions within the BT-Basic environment. A license (feature name **Ext\_App\_DLL**) is needed to enable and execute the following three new commands:

**Table 1**

Command	Syntax
<b>dllload</b>	<pre>dllload "&lt;dll-name&gt;", &lt;dll-handle&gt;, [&lt;error variable&gt;]</pre> <p><b>Example:</b></p> <pre>dllload "getboard_data.dll", Handle_1, Errflag</pre>
<b>dllcall</b>	<pre>dllcall &lt;dll-handle&gt;, "&lt;custom function name&gt;", [&lt;return number&gt;], ["&lt;return string&gt;"], [&lt;error variable&gt;]; ["&lt;custom parameters&gt;"]</pre> <p><b>Example:</b></p> <pre>dllcall Handle_1, "blank_check", Var_1, ErrMsg\$, Errflag; "0, 0xffff"</pre>
<b>dllunload</b>	<pre>dllunload [&lt;dll-handle&gt;], [&lt;error variable&gt;]</pre> <p><b>Example:</b></p> <pre>dllunload Handle_1, Errflag</pre>

A specific API needs to be implemented in the user's DLL to accept the calls from BT-Basic, interpret the parameters passed from BT-Basic and forward them to the actual functions. The function results are then passed back to BT-Basic. It is the user's responsibility to implement the API in the DLLs.

Multiple DLLs may be loaded at same time.

\* With the appropriate hardware on the Medalist i3070 Series 5 testhead.

## 2. Agilent Medalist i3070 LED Test

Medalist i3070 LED Test is an industry first digital LED test, integrated into ICT, to inspect color and intensity of LEDs in the visible light spectrum (400–660 nm).

It provides a fast, reliable, and accurate inspection of LEDs mounted on printed circuit assemblies for color (wavelength) and luminosity (intensity).

**Table 2**

<b>Throughput</b>	Up to 128 LED sensors in 1.3 s	
<b>Measurement</b>	<b>Range</b>	<b>Accuracy</b>
<b>Color (Hue)</b>	400 to 660 nm	±3 nm
<b>Luminosity</b>	0 to 18,000 $\mu\text{W}/\text{cm}^2$	±10%

## 3. HP rp5800 Controller

The new HP rp5800 controller replaces the rp5700 which has been discontinued. It comes with the latest Intel® Core i5 CPU and 4 GB DDR3 SDRAM. The specifications are as follows:

**Table 3**

<b>Operating System</b>	Microsoft® Windows® 7 Professional 32-Bit
<b>Processor</b>	Intel® Core™ i5-2400 (3.10 GHz, 6 MB cache, 4 cores)
<b>Memory</b>	4 GB PC3-1333 MHz DDR3 SDRAM (maximum 16 GB)
<b>Graphics</b>	Integrated Intel HD
<b>Hard Drive</b>	250 GB SATA (7200 rpm)
<b>DVD</b>	SATA SuperMulti DVD Writer
<b>Network</b>	Integrated Intel 82579LM; Intel PRO 1000 CT GbE (External)
<b>Ports</b>	7 USB 2.0 1 powered USB (24 V) 2 RS-232

#### 4. Board Setting Allows IPG to Write AC or DC Mode Capacitor Test

A new global option can be enabled in the board file that allows IPG to write DC mode capacitor tests for capacitance values of 1000 uF or higher. The new statement is **Large Capacitor DC Mode On** or **Off**.

IPG will generate AC mode capacitor tests (regardless of capacitance value) if no statement is present (default) or if **Large Capacitor DC Mode Off** is specified in the global options.

Table 4

Global Option in Board File	Capacitance	IPG will generate:
Not specified	$\geq 1000$ uF	AC mode capacitor test
<b>Large Capacitor DC Mode On</b>	$\geq 1000$ uF	DC mode capacitor test
<b>Large Capacitor DC Mode Off</b>	$\geq 1000$ uF	AC mode capacitor test
Not specified	$< 1000$ uF	AC mode capacitor test
<b>Large Capacitor DC Mode On</b>	$< 1000$ uF	AC mode capacitor test
<b>Large Capacitor DC Mode Off</b>	$< 1000$ uF	AC mode capacitor test

This option can be specified through Board Consultant as well. For backward compatibility, using the IPG Global Options form to change **Large Capacitor DC Mode** from **On** to **Off** will remove the statement from the board file. Conversely, changing **Large Capacitor DC Mode** from **Off** to **On** will insert the statement into the board file.

#### 5. Special Aux Feature

A new set of BT-Basic `special aux` commands allows users to retain an auxiliary relay connection even when commands such as `run`, `stop`, `abort`, `start`, and `wait for start` are executed.

Use the `special aux` commands to declare one or more auxiliary relays as “special”, and then to control the special relays. For example:

```
special aux set 5           declares relay 5 to be a special relay
special auxconnect 5       closes the relay
special auxdisconnect 5    opens the relay
```

Refer to *Syntax Reference* for information on all the `special aux` commands,

**SpecialAux** menu options are also provided in the Engineer Test Interface and Operator Interface. Note that in order to use these menu options, the relay(s) to be controlled must first be specified in a `special_aux_set` file in `AgilentICT_ROOT\lib`. For details, refer to the SpecialAux menu description in *Using the Engineer Test Interface*.

## **6. Third Party Software**

When the Medalist i3070 08.30p software is installed on Windows XP, the third party software tools will be upgraded to the following:

- Nutcracker 9.4
- Xvision 731/MKS X Server
- Agilent IO 16.1
- ScanWorks 3.14
- BOOTP Turbo

During installation, users will be prompted to uninstall the older versions of the tools.

These third party software tools are already implemented in Medalist i3070 systems that run on Windows 7.

## System Requirements

The minimum hardware and software requirements for the installation of the Medalist i3070 08.30p software release are as follows:

**Table 5** Minimum requirements

<b>Platform</b>	Windows 7 Professional with Service Pack 1, or Windows XP Professional with Service Pack 3.
<b>Hardware</b>	Processor – Intel Pentium® 4 or better (minimum 1.8 GHz) Memory – recommended 4 GB RAM (minimum 2 GB RAM) Disk space – minimum 10 GB
<b>Other</b>	Minimum screen resolution – 1280 x 1024, 16-bit Anti-virus and firewall software are recommended to be installed

**NOTE**

If you are upgrading a controller to Windows 7, ensure that it meets Windows 7 system requirements and there are no compatibility issues.

## Software Licenses

The Medalist i3070 08.30p software release requires a 08.00 software update license. Users can still access the same features with their existing basic testhead and feature licenses.

## Compatibility Statement

Existing board test programs that run on Medalist 3070 or Medalist i3070 systems with earlier software releases (08.xx, 07.xx, and 05.4x) will continue to run on systems that have been upgraded to the 08.30p software release running on Windows 7 or Windows XP.

Board test programs developed on Windows-based software revisions prior to 05.40p should be converted to run on release 05.40p at the minimum, before running them on systems with Medalist i3070 08.00p or later.

## Important Notes for 08.30p Software Release

### Windows 7: 32-bit and 64-bit

The new rp5800 system controller is pre-loaded with the 32-bit version of Windows 7, as the Medalist i3070 software was designed, built and optimized for 32-bit operation.

Installation on Windows 7 64-bit operating system is available for test development workstations.

### Newer Version of BOOTP Turbo Software

As described in Service Note 3070-87, test system controllers running Medalist i3070 software 08.21p on Windows 7 may encounter the following messages when booting the testhead:

```
module 3 failed self-test completion handshake
module 2 failed self-test completion handshake
module 1 failed self-test completion handshake
module 0 failed self-test completion handshake
```

Installing a newer version of BOOTP Turbo software may resolve the issue. You can find the newer version of BOOTP Turbo software (`bootpt.exe`) at either of these locations:

- [www.agilent.com/find/i3070patches](http://www.agilent.com/find/i3070patches)
- W7\software\bootp folder in the Medalist i3070 08.30p software release DVD.

Update the Bootp Turbo software as follows:

- 1 Back up the `bootptab` file in `C:\Windows\system32\drivers\etc`.
- 2 Go to **Control Panel > Programs and Features** and remove the existing BOOTP Turbo software.
- 3 Locate and double-click `bootpt.exe`. Follow the instructions to complete the installation.
- 4 Rename `bootptab.org` to `bootptab` in `C:\Windows\system32\drivers\etc`.
- 5 Restart the controller.

## New Control XTP Firmware

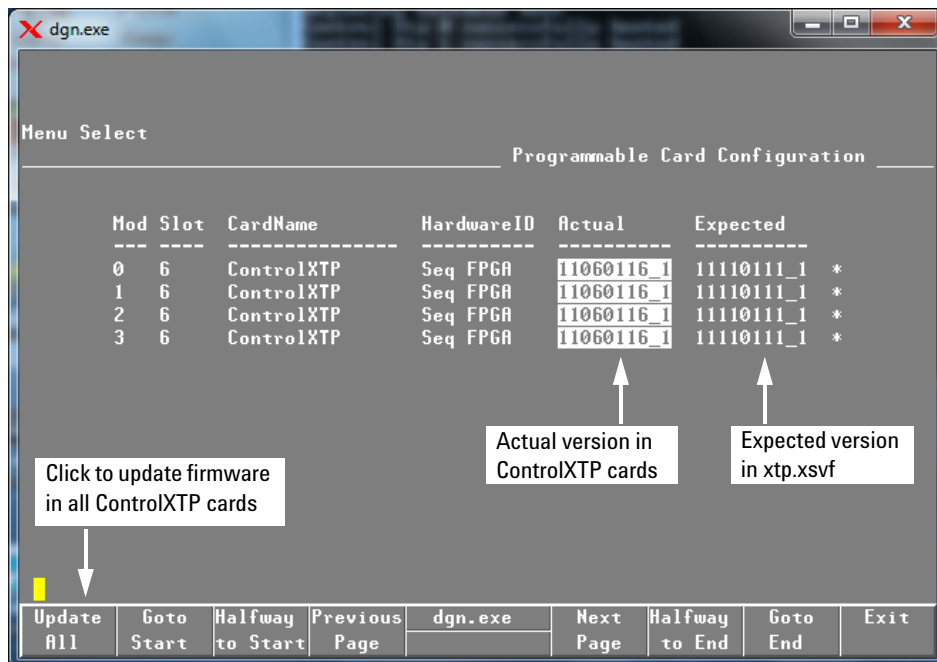
The Medalist i3070 08.30p software release has enabled new Control XTP firmware version 11110111\_1 as a backup file. This firmware version is needed to solve the “T313 Control card timeout waiting for Psync signal error” encountered if the NEC 2Mx8bit SRAM Control XTP card is used.

Note that no change is needed if the existing xtp.xsvf (110601116\_1) is working fine with the Control XTP cards in the system.

To use Control XTP firmware version 11110111\_1:

- 1 Locate the file C:\Agilent\_ICT\lib\xtp.xsvf and rename it 110601116\_1.xsvf.
- 2 Locate the file C:\Agilent\_ICT\lib\11110111\_1.xsvf and rename it xtp.xsvf.
- 3 Boot up the testhead.
- 4 Launch the **Diagnostics** application.
- 5 Select **Configuration > Programmable Card Config** and check that the **Expected** value is **11110111\_1**.
- 6 Click **Update All** (F1) button to program all the Control XTP cards on the testhead.
- 7 Reboot the testhead.

Figure 1





## Appendix A: Improvements

Improvements and enhancements in the Medalist i3070 08.30p software based on customer requests are listed in [Table 6](#).

**Table 6**

<b>Change Request Identification</b>	<b>Description</b>
CR33453	07.20p: Browser Locator Find Probe gives ERROR!! message.
CR33602	07.20p: Controllerloop causes measurement timeout in analog portion of mixed test.
CR33604	7.10pd: Program_Flash subroutine in Panel testplan does not declare variables as global result in improper execution.
CR33962	08.00p: Digital Setup Editor Form closes unexpectedly.
CR33990	08.20p: Enhanced BT-Basic with ability to call external DLL.
CR34048	07.20p: Program memory exceeded due to global and dim statements.
CR34090	08.00p: Parse board and board_xy for any conflicts when loading in Operator Interface.
CR34099	08.00p: Enhancement – Get statement automatically writes file name in BT-Basic title.
CR34100	08.00p: Enhancement – Display backslashes as slashes automatically in BT-Basic title.
CR34103	07.20p: PanelTest “Select boards on panel” freezes Operator Interface.
CR34111	08.00p: Enhancement – Save preferences setting in the board directory.
CR34119	08.00p: Should auto check en setting if sense A is used in Engineer Test Interface.
CR34136	08.10p: Resolved symbolic link and iNode in the software when using network file sharing.
CR34142	08.00p: Digital test reports AUX error which is not in use.
CR34143	07.20p: Quick Report does not show all tests that use the ed and wa options.
CR34150/ CR34179	08.10p: Resolved failure in ASRU-N diagnostics test 2824.
CR34162	08.10p: iSystem card will auto-unlock fixture when rebooting system.
CR34163	08.20p: Enhanced Lost Heart Beat message and time stamp in the pmlog file.
CR34165	08.00p: Flash ISP data polling does not work with Control XTP firmware version 10071517.
CR34167	08.00p: Enhancement – Inhibit auto-conversion to Multiple Board Versions.
CR34170	08.20p: FPY and WPR initial view can be customized.
CR34174	07.20p: Update “Tests and Fixture Files for Multiple Board Versions” in online help.
CR34175	08.20p: DC capacitor test causes subsequent test with ed option to fail or time out.

**Table 6**

<b>Change Request Identification</b>	<b>Description</b>
CR34177	08.20p: R1314 NPM testname.bd file is incorrect.
CR34180	08.20p: Wrong error message for ASRU calibration.
CR34181	08.00p: Pushbutton Debug window closes when marking a test as permanent.
CR34186	07.20p: Fix locations of Module 0 and 1 shown in online help.
CR34191	08.20p: Coverage Analyst does not handle presorts and powered analog tests correctly.
CR34192	08.20p: NIST Calibration testplan uses wrong temperature unit in report header.
CR34200	08.20p: BT-Basic gives Internal Error -13 at "Select boards on panel".
CR34204	08.00p: UnMux card relay locator diagram shows incorrect references designators.
CR34209	08.20p: BSDL parser does not flag single-ended, differential pins as error.
CR34216	08.20p: BSDL compiler does not warn or error out if multiple drivers are connected to a single signal.
CR34227	08.20p: Board Consultant should display more than five heterogeneous boards.
CR34228	08.20p: Board setting allows IPG to write AC or DC mode capacitor test.
CR34229	08.20p: Enhancement – Make FXT53 WARNING message (for insufficient access) more obvious.
CR34231	08.20p: Setup Editor could not be launched.
CR34236	08.20p: Conversion Tool needs updating for 8.x software.
CR34239	08.10p: Improve file checking efficiency over network.
CR34240	08.00p: DGN reports 3374/3376 errors with ASRU-N card.
CR34248	08.20p: Testplan statements <code>itb\$</code> and <code>num</code> cause missing characters in the output display and in datalogging.
CR34249	08.20p: Pushbutton Debug does not display line numbers and calling sequence for mixed test.
CR34252	08.00p: IPG fails to assign mux power supply wiring for Utility Card.
CR34258	08.10p: ConnectCheck learned value not saved in Pushbutton Debug.
CR34263	08.20p: Actel STAPL not compatible with PLD ISP.
CR34265	08.20p: Extra line "sequencer halted" in digital failure message.
CR34268	08.20p: IPG selects inaccessible nodes in .discharge test.
CR34269	08.20p: ICT Browser and Engineer Test Interface show "Error in File Type: board".
CR34270	08.20p: Breaking recycles to fail for Polarity test causes Pascal system error 8.

**Table 6**

<b>Change Request Identification</b>	<b>Description</b>
CR34271	08.20p: Display Graphics menu is disabled for Polarity test in Pushbutton Debug.
CR34279	08.20p: Increase Instruction Register length for Boundary Scan test.
CR34290	08.20p: Coverage Analyst freezes at Binding Test and Board Data.
CR34292	08.20p: Medalist i3070 application freezes if testplan has second level function calls.
CR34293	08.20p: Stapl compiler does not parse arithmetic assignment properly.
CR34301	08.20p: Enhanced Medalist i3070 application with timer functions to capture test time.
CR34305	08.20p: Enhancement – Auxconnect that does not disconnect when pressing STOP.
CR34306	08.20p: Histogram fails to generate on failing tests in Medalist i3070 application.
CR34307	08.20p: Enhanced Medalist i3070 application with Quick Report feature on the menu.
CR34308	08.20p: Quick Report does not report new hardware.
CR34312	08.20p: T313 Control card timeout waiting for Psync signal.
CR34318	08.20p: Browser cannot display Bank 1 panel board.
CR34322	08.20p: Relay damage by incorrect .discharge file due to case-sensitive node name.
CR34327	08.20p: Boundary Scan does not capture data for differential pairs if test receiver unconnected.
CR34328	08.20p: CET prompt unexpected short to system ground error for even-numbered panel board.
CR34329	08.20p: Changes in Testjet_mux and vtep_mux for CET wiring to prevent damage.
CR34336	08.20p: Improve DGN test 2283 for ASRU-N card.
CR34384	08.20p: Improve IPG discharge with more conservative calculations for .discharge file.

## Appendix B: Compatibility Matrix

**Table 7** Compatibility matrix

	<b>Agilent 3070 (UNIX®)</b>	<b>Agilent Medalist 3070 (Windows)</b>	<b>Agilent Medalist i5000</b>	<b>Agilent Medalist i3070 UnMux</b>	<b>Agilent Medalist i3070 Mux</b>	<b>Remarks</b>
Software Revision	05.30 & below	05.42 & below	06.02 & below	08.30p & below	08.30p & below	Only 08.21p or later can support Windows 7
Operating System	UNIX	Windows 2000/ Windows XP	Windows XP	Windows 7*/ Windows XP	Windows 7*/ Windows XP	* Only rp5700 or newer models can support Windows 7
Controller Hardware	HP B20000/ C36000 and below	HP X2100*/IPC (Advantech)/ HP xw4300	HP xw4200/ HP xw4300	HP xw4400/ HP xw4600/ HP rp5700/ HP rp5800**	HP xw4400/ HP xw4600/ HP rp5700/ HP rp5800**	* HP X2100 is not supported on 05.40p and above ** rp5800 cannot support Windows XP
<b>Software Features</b>						
Agilent Simplate Express Fixturing	√	√	√	√	√	
Analog In-circuit Test	√	√	√	√	√	
Analog Functional Test	√	√	√	√	√	
Timing Sets	√	√	×	×	√	
In-circuit Boundary-Scan	√	√	√	√	√	
InterconnectPlus Boundary-Scan	√	√	√	√	√	
PanelTest	√	√	√	√	√	
Throughput Multiplier	√	√	√	√	√	
TestJet	√	√	√	√	√	
VTEP v2.0 <i>Powered!</i> (VTEP, iVTEP, NPM and Cover-Extend)	×	√ (1)	√ (1)	√ (2)	√ (2)	(1) VTEP and iVTEP only (2) NPM works on 07.10p or later CET works on 07.20p or later
Cover-Extend Technology	×	×	×	√	√	CET works on 07.20p or later
Polarity Check	√	√	√	√	√	
Connect Check	√	√	×	×	√	
Powered Testing	√	√	√	√	√	
Software Revision B	√	√	×	×	√	
All High Accuracy Resources	√	√	×	×	√	
Fault Detective	√	√	√	√	√	

**Table 7** Compatibility matrix

	Agilent 3070 (UNIX®)	Agilent Medalist 3070 (Windows)	Agilent Medalist i5000	Agilent Medalist i3070 UnMux	Agilent Medalist i3070 Mux	Remarks
DriveThru	√	√	√	√	√	
Flash70	√	√	√	√	√	
Awaretest xi	√	√	√	×	×	Not supported
MagicTest	√	√	×	×	√	
Control XT Override	√	√	×	×	√	
Advanced Fixturing	√	√	√	√	√	
Silicon Nails	√	√	√	√	√	
Flash ISP	√	√	√	√	√	Needs Control XTP
PLD ISP	√	√	√	√	√	Needs Control XTP
Diagnose Relays	√	√	√	√	√	
System Calibration	√	√	√	√	√	
Medalist Interactive Pin Locator	×	×	×	√	√	
Automatic Analog Debug (AutoDebug)	×	×	√	√	√	
Medalist AutoOptimizer	×	×	×	√	√	Needs Control XTP
Agilent Medalist Operator Interface	×	×	√	√	√	
Agilent Medalist Debug Interface	×	×	√	√	√	
ICT Browser	×	×	√	√	√	
Coverage Analyst	√	√	√	√	√	
Fixture Consultant	√	√	×	×	√	* i5000/i3070 UnMux uses ICT Browser
Board Consultant	√	√	×	×	√	* i5000/i3070 UnMux uses TTM Development Software
Test Consultant	√	√	×	×	√	* i5000/i3070 UnMux uses TTM Development Software
Medalist TTM Development Software	×	×	√	√	×	* 3070/i3070 Mux uses Board Consultant, Fixture Consultant and Test Consultant
Pushbutton Debug	√	√	√	√	√	
Access Consultant	√	√	√	√	√	
Part Description Editor	√	√	√	√	√	

**Table 7** Compatibility matrix

	Agilent 3070 (UNIX®)	Agilent Medalist 3070 (Windows)	Agilent Medalist i5000	Agilent Medalist i3070 UnMux	Agilent Medalist i3070 Mux	Remarks
Device Test Library	√	√	√	√	√	
BT-Basic Test Language	√	√	√	√	√	
Setup Test Editor	√	√	√	√	√	
Analog Test Language	√	√	√	√	√	
Vector Control Language	√	√	√	√	√	
Pattern Capture Format	√	√	√	√	√	
Digital In-circuit Test	√	√	√	√	√	
Integrated Digital In-circuit and Analog Functional Test Language	√	√	√	√	√	
IPG-II Program Generator	√	√	√	√	√	
Multiple Board Versions	√	√	√	√	√	
Dual-Well Shared Wiring	√	√	√	√	√	
Short-wire Fixture Technology	√	√	√	√	√	
Board Test Grader	√	√	√	√	√	
Datalogging	√	√	√	√	√	
Pushbutton Q-STATS	√	√	√	√	√	
CAMCAD						No longer supported.
Advanced Probe Spacing	× *	√	√	√	√	* Available only on 05.30 (UNIX)
Automatic 6 Wire Analog ICT Tests	√	√	√	√	√	
Automatic Digital Test Generation	√	√	√	√	√	
Safeguard ICT Analysis	√	√	√	√	√	
Quick Report	√	√	√	√	√	
ScanWorks	×	√ *	√	√	√	* Works only on 05.21 or later
System Configuration and Hardware Diagnostics	√	√	√	√	√	
Medalist Repair Tool	√	√	√	√	√	
RS232 Control	√	√	√	√	√	
IEEE 488 Instrumentation	√	√	√ *	√ *	√ *	* Not tested

**Table 7** Compatibility matrix

	Agilent 3070 (UNIX®)	Agilent Medalist 3070 (Windows)	Agilent Medalist i5000	Agilent Medalist i3070 UnMux	Agilent Medalist i3070 Mux	Remarks
<b>Hardware Features</b>						
ASRU Rev A	√ *	×	×	×	×	* Supported only on 04.00 (UNIX) and below
ASRU Rev B	√ *	×	×	×	×	* Supported only on 05.30 (UNIX) and below
ASRU Rev C	√	√	√	√	√	
ASRU Rev D	×	×	√	√	√	
ASRU Rev N	×	×	×	√ *	√ *	* Works only with Control XTP and 08.00p or later
Serial Test Card	√ *	×	×	×	×	* Supported only on 05.21 (UNIX) and below
Serial Test Plus card	√ *	×	×	×	×	* Supported only on 05.21 (UNIX) and below
Serial Test Pay Per use	√ *	×	×	×	×	* Supported only on 05.21 (UNIX) and below
ChannelPlus	√	×	×	×	×	
ChannelPlus Pay Per Use	√	×	×	×	×	
Control Card	√ *	×	×	×	×	* Supported only on 05.21 (UNIX) and below
ControlPlus Card	√ *	×	×	×	×	* Supported only on 05.21 (UNIX) and below
ControlXT	√	√	×	×	√ *	* ASRU Rev N not supported
ControlXTP	√	√	√	√	√	
HybridPlus SD/DD Pay Per Use	√	√	×	×	√ *	* Supported only on HybridPlus DD Pay Per Use
HybridPlus SD 6/12/20 MP/s	√ *	√	×	×	×	* Supported only on 05.30 (UNIX) and below
HybridPlus DD 6/12/20 MP/s	√	√	×	×	√	
HybridPlus 32 6/12/20MP/s	√	√	×	×	×	End of support
HybridPlus 32 Pay Per Use	√	√	×	×	×	End of support
HybridPlus 32 Value Series	×	√	×	×	×	End of support

**Table 7** Compatibility matrix

	<b>Agilent 3070 (UNIX®)</b>	<b>Agilent Medalist 3070 (Windows)</b>	<b>Agilent Medalist i5000</b>	<b>Agilent Medalist i3070 UnMux</b>	<b>Agilent Medalist i3070 Mux</b>	<b>Remarks</b>
HybridPlus 144 unmux	×	×	√	√	×	
AnalogPlus (SD)	√	√	×	×	√	
AnalogPlus (DD)	√	√	×	×	√	
AccessPlus (SD)	√	√	×	×	√	
Utility Card	×	×	×	√*	√*	Works with 08.00p or later
Guided Probe and Footswitch	√	√	√	√	√	
Bar Code Scanner (E3786A)	√	√	√	√	√	
Strip Printer	√	√	√	√	√	
Debug Ports (3)	√	√	√	√	√	
Functional Test Access Ports	√	√	√	√	√	
Performance Port	√	√	√	√	√	
DUT Power Supplies	√	√	√	√	√	
Vacuum	√	√	√	√	√	
Compressed Air Quick Connect Tap	√	√	√	√	√	
Power Supply Support Bay	√	√	√	√	√	
JOT Handler	√	√	√	√	√	





[www.agilent.com](http://www.agilent.com)

© Agilent Technologies, Inc. 2012

Printed in Malaysia 09/2012



E9901-90028 rev. B



**Agilent Technologies**