



# iTest 4.6 Release Notes

## Date

April 2026

## Prepared By

ADT Software Engineering

**A&D Confidential Document Distributable only to A&D Customers**

Copyright A&D Company, Limited  
A&D Technology Inc.



# 1. Table of Contents

- 1** Table of contents
- 2** Overview
- 3** Breaking Changes
  - 3.1** Limits
- 4** iTest 4.6
  - 4.1** Major Features
    - 4.1.1** AI Vision
    - 4.1.2** French Language Support
    - 4.1.3** Solution Management
  - 4.2** AutomationPanel
    - 4.2.1** Button Panel
    - 4.2.2** ComboBox Panel
    - 4.2.3** Chart Panel
      - 4.2.3.1** Automatable Properties
    - 4.2.4** Property Manager
    - 4.2.5** Schedule Viewer Panel
  - 4.3** Driver Updates
    - 4.3.1** CANoe Driver
      - 4.3.1.1** Measurement Status
      - 4.3.1.2** UDP Interface
    - 4.3.2** EtherCAT Driver
      - 4.3.2.1** Byte-swap Support
      - 4.3.2.2** Enable Active Digital Channel Definitions
  - 4.4** INI Settings
  - 4.5** Python Updates
    - 4.5.1** Base Version
    - 4.5.2** Custom Python Editors
    - 4.5.3** Python Functions
    - 4.5.4** RT Version
- 5** iTest.PLC
- 6** Deprecated Features
  - 6.1** AnDRus.exe
- 7** Compatibility and Product Life Cycle Matrixes
  - 7.1** Compatibility Matrixes
  - 7.2** Product Life Cycle Matrixes

## 2. Overview

The iTest 4.6 release includes multiple performance and cosmetic updates, feature enhancements, and bug fixes.

## 3. Breaking Changes

Releases can include new features or change old ones in a way that they aren't compatible with existing deployments. This can be due to a variety of reasons such as features being re-scoped, deprecated, relocated, etc. This section lists these changes as they may require special attention during an upgrade.

### 3.1. Limits

Limits for digital output and digital input channels can no longer be modified outside the Channel Definitions editors in Test Manager and SolutionBuilder. These restrictions were applied to Alarm Status, several AutomationPanel panels, FlexEdit's LIM and VLIM editors, and SolutionBuilder's and Test Manager's Limit Groups editors.

## 4. iTest 4.6

### 4.1. Major Features

#### 4.1.1. AI Vision

iTest now includes the AIVision driver to provide a vision-based detection of instrument clusters using live or recorded video input. The AIVision driver performs real-time image processing to detect and analyze lamps and gauges, and monitoring of this data can be done via the AI Vision panel in AutomationPanel.

AIVision



#### 4.1.2. French Language Support

French is now a supported GUI language. You can set French as the current language by setting the `LANGID config.ini` option to 1036.

#### 4.1.3. Solution Management

Similar to modules, solutions can be revision-controlled through the use of the `ModuleRevisionControl config.ini` setting. When `ModuleRevisionControl=TRUE`, you can export and import solutions from LabCentral's *Solutions* and *Solutions\_Development* folders. These folders separate production solutions from ones that are in development.

## 4.2. AutomationPanel

#### 4.2.1. Button Panel

The **State Threshold Value** property has been added to the Button panel. This property allows you to define the value used as the tipping point to cause a state change in the button. The button state change occurs when the channel value is greater than the **State Threshold Value**.

#### 4.2.2. ComboBox Panel

The ComboBox panel now supports the highlight and invisible appearance states.

ComboBox Appearance States

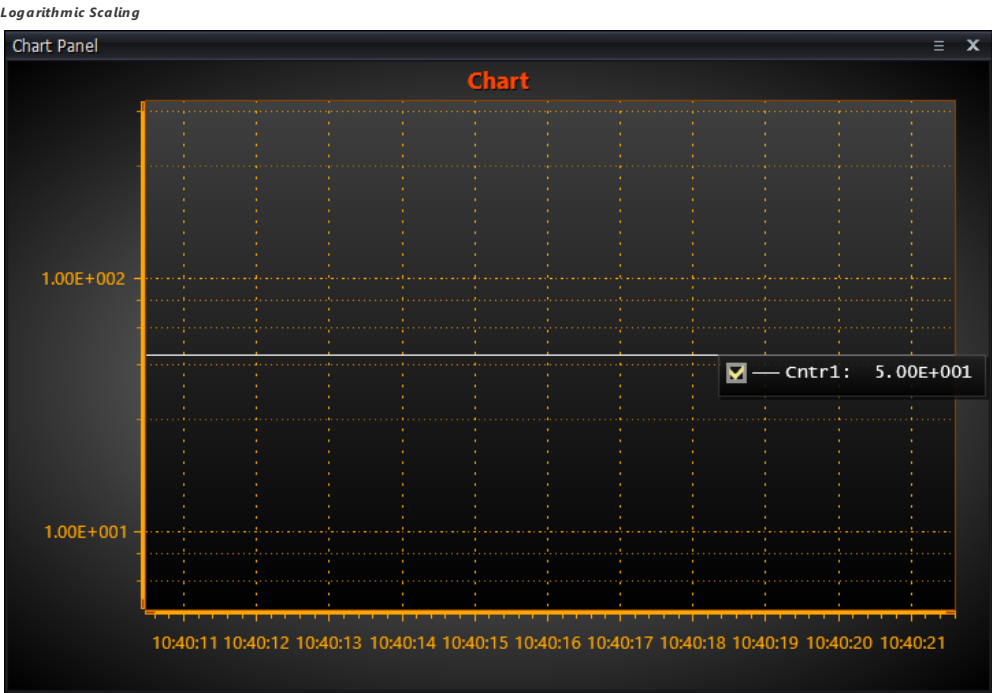


\* This GIF is only available in the Online Help.

#### 4.2.3. Chart Panel

The Chart panel now supports logarithmic scaling for quantities larger than zero. Logarithmic scaling can be enabled/disabled with the **Scale Type** property. In addition, the **Show Major Grid** and **Show Minor Grid** properties have been added to each axis,

allowing you to display grid lines at major and minor ticks.



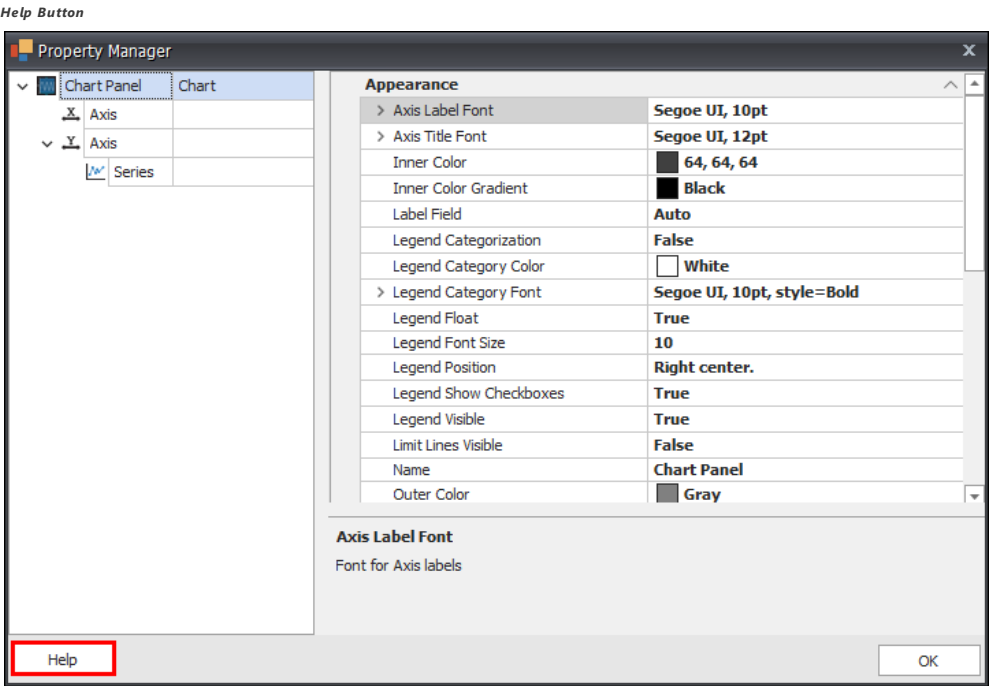
4.2.3.1. Automatable Properties

The following properties are now automatable for the Chart panel:

- MaxPoints
- ScaleType
- Show Major Grid
- Show Minor Grid

4.2.4. Property Manager

The Property Manager now includes a **Help** button, allowing you to quickly navigate to that panel's help documentation.



4.2.5. Schedule Viewer Panel

The Schedule Viewer panel now includes the **Disable Edit Schedule** property. This property allows you to disable the ability to open the Schedule editor from the panel.

Dmo1Step

| Schedule Name | Module ID | Project Folder | Data File Name       | Step # | Step Time | Schedule Time | Step Time Left | Status |
|---------------|-----------|----------------|----------------------|--------|-----------|---------------|----------------|--------|
| Dmo1Step      | None      | PR-001         | 5.Ramp+TransF2+Lo... |        | 00:00:00  | 00:00:00      | 00:00:00       | None   |

Data

Header

Notes

|   | StepTime  | Demand | JumpToStep | JumpsToDo | JumpsDone | LogFile | LogStart | StepTask1 | StepTask2 | StepTask3 |  |
|---|-----------|--------|------------|-----------|-----------|---------|----------|-----------|-----------|-----------|--|
|   | hhh:mm:ss | <none> | <none>     | <none>    | <none>    |         |          | <none>    | <none>    | <none>    |  |
| 1 | 2.00      | 2.00   |            |           |           |         |          |           |           |           |  |
| 2 | 2.00      | 4.00   |            |           |           |         |          |           |           |           |  |
| 3 | 2.00      | 6.00   |            |           |           |         |          |           |           |           |  |
| 4 | 2.00      | 8.00   |            |           |           |         |          |           |           |           |  |
| 5 | 2.00      | 6.00   |            |           |           |         |          |           |           |           |  |
| 6 | 2.00      | 4.00   |            |           |           |         |          |           |           |           |  |
| 7 | 2.00      | 2.00   |            |           |           |         |          |           |           |           |  |
| 8 | 2.00      | 0.00   |            |           |           |         |          |           |           |           |  |

## 4.3. Driver Updates

### 4.3.1. CANoe Driver

#### 4.3.1.1. Measurement Status

The `MEASUREMENT_STATUS_CHANNEL` advanced setting has been added to the CANoe driver. This setting allows you to specify a channel that will be updated with the CANoe measurement state.

#### 4.3.1.2. UDP Interface

The CANoe driver now includes a UDP interface.

### 4.3.2. EtherCAT Driver

#### 4.3.2.1. Byte-swap Support

The EtherCAT driver now supports byte-swapping.

#### 4.3.2.2. Enable Active Digital Channel Definitions

The `USE_ACTIVE_IO_SETTINGS` advanced setting has been added to the EtherCAT driver. This settings allows you to enable active input/output digital channel definitions.

## 4.4. INI Settings

The following INI settings have been added:

#### New INI Settings

| Setting                             | Location     | Description                                                                                                                                                                                                            |
|-------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AutomationPanelDefaultLoadOnStartup | Powertek.ini | When set to TRUE, the default value of the <b>LoadOnStartup</b> property for new layouts will be TRUE. If this setting is missing or empty, then the default value of the <b>LoadOnStartup</b> property will be FALSE. |

## 4.5. Python Updates

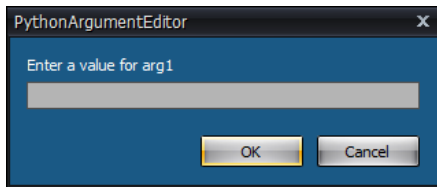
### 4.5.1. Base Version

The base version of Python has been updated to 3.14.

### 4.5.2. Custom Python Editors

You can now access custom Python editors as well as the Channel Selection dialog from the Python Script Message dialog by including the `PythonEditors.xml` file in the `$(SYSTEMDIR)\PythonScripts` folder. This file lets you define each editor and determine whether arguments display a  button in the **Value** column of the Python Script Message dialog. This button may be used to access a custom Python editor or the Channel Selection dialog.

#### Custom Python Editor



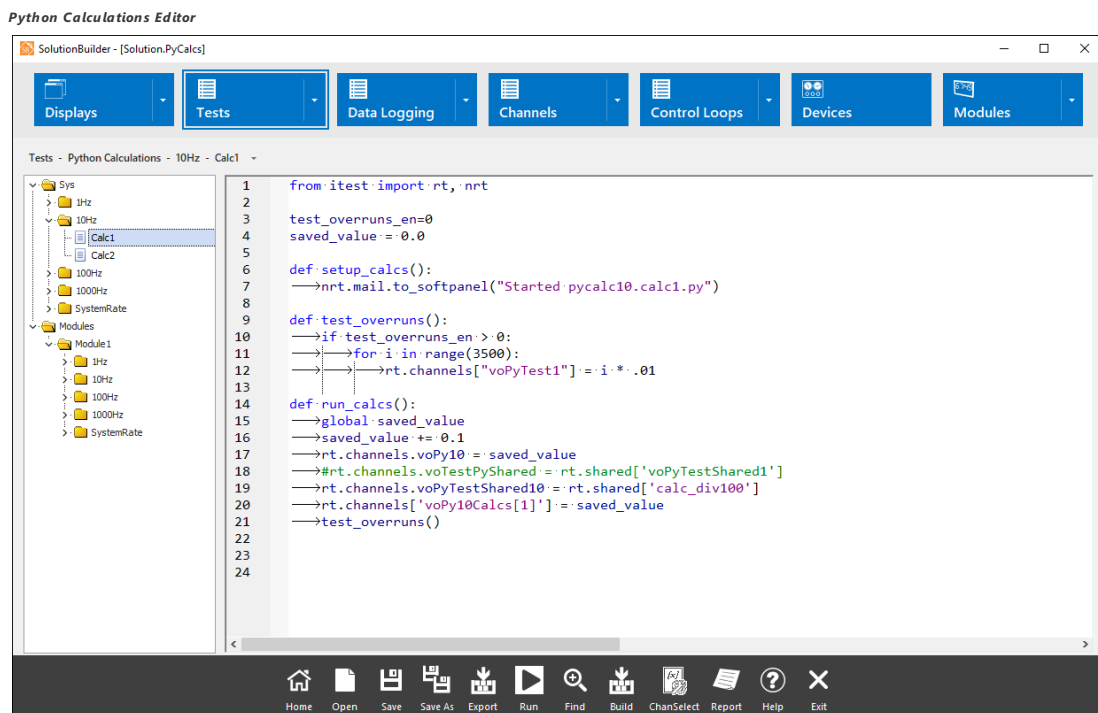
### 4.5.3. Python Functions

The following Python functions have been added:

- RDBSetValueEU
- GetConfigKeyValue
- SendToDataEngineMailslot
- SendToSoftPanelMailslot
- SendToiViewMailslot
- SendToUploadEngineMailslot
- INIReadValue
- INIWriteValue
- ReadMasterINI
- WriteMasterINI

### 4.5.4. RT Version

PythonEngine now supports an RT version, allowing it to run on Xenomai systems. Python calculations (i.e., Python scripts) ran on Xenomai systems will be automatically triggered at a pre-defined interval (e.g., 10Hz). These calculations can be managed in SolutionBuilder's Python Calculations editor.



## 5. iTest.PLC

iTest.PLC is now available. This system type provides a simple control system like a PLC; however, it is programmed with Python for quick deployment. iTest.PLC runs in a headless mode, and it utilizes LabCentral's dashboards to monitor data and perform operator actions.

## 6. Deprecated Features

### 6.1. AnDRus.exe

The *AnDRus.exe* application has been deprecated.

# 7. Compatibility and Product Life Cycle Matrixes

The following matrixes detail the iTest to OS Compatibility, OS to RTOS Compatibility, RTOS to PC Compatibility, and the iTest Product Life cycle.

## 7.1. Compatibility Matrixes

iTest to OS Compatibility Matrix

| iTest to OS Compatibility | Windows               | Test Automation |           |           |           |           |           |           |           |           |           |           |           |           |           |               |
|---------------------------|-----------------------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------|
|                           |                       | iTest 4.6       | iTest 4.5 | iTest 4.4 | iTest 4.3 | iTest 4.2 | iTest 4.1 | iTest 4.0 | iTest 3.9 | iTest 3.8 | iTest 3.7 | iTest 3.6 | iTest 3.5 | iTest 3.4 | iTest 3.2 | iTest pre 3.2 |
| GUI OS                    | Windows 11 Pro        | ✓               | ✓         | ✓         | ✓         | ✓         | X         | X         | X         | X         | X         | X         | X         | X         | X         | X             |
|                           | Windows 10 Pro        | X               | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | X         | X         | X         | X         | X             |
|                           | Win 7 Pro 64bit       | X               | X         | X         | X         | X         | X         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | X         | X             |
|                           | Windows XP            | X               | X         | X         | X         | X         | X         | X         | X         | X         | X         | X         | X         | ✓         | ✓         | ✓             |
| RTOS                      | Xenomai (V1.0 64-bit) | ✓               | ✓         | X         | X         | X         | X         | X         | X         | X         | X         | X         | X         | X         | X         | X             |
|                           | Xenomai (32-bit)      | X               | X         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | X         | X         | X         | X         | X         | X         | X             |
|                           | INtime 7.X            | ✓               | ✓         | ✓         | ✓         | X         | X         | X         | X         | X         | X         | X         | X         | X         | X         | X             |
|                           | INtime 6.3            | ✓               | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | X         | X         | X         | X         | X             |
|                           | INtime 5.2            | X               | X         | X         | X         | X         | X         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | X         | X         | X             |
|                           | INtime 4.2            | X               | X         | X         | X         | X         | X         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | X         | X             |
|                           | INtime 3.13           | X               | X         | X         | X         | X         | X         | X         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | X             |
|                           | VxWorks (VM4500)      | X               | X         | X         | X         | X         | X         | X         | X         | X         | X         | X         | ✓         | ✓         | ✓         | ✓             |
| Legend                    |                       |                 |           |           |           |           |           |           |           |           |           |           |           |           |           |               |
| Supported                 |                       |                 |           |           |           |           |           |           | ✓         |           |           |           |           |           |           |               |
| Not Compatible            |                       |                 |           |           |           |           |           |           | X         |           |           |           |           |           |           |               |

OS to RTOS Compatibility Matrix

| OS to RTOS Compatibility    | Windows         | RTOS       |            |            |            |             |
|-----------------------------|-----------------|------------|------------|------------|------------|-------------|
|                             |                 | INtime 7.X | INtime 6.X | INtime 5.2 | INtime 4.2 | INtime 3.13 |
| Host OS                     | Windows 11 Pro  | ✓          | X          | X          | X          | X           |
|                             | Windows 10 Pro  | X          | ✓          | X          | X          | X           |
|                             | Win 7 Pro 64bit | X          | ✓          | ✓          | ✓          | X           |
|                             | Windows XP      | X          | O          | O          | O          | ✓           |
| Legend                      |                 |            |            |            |            |             |
| Supported                   |                 |            |            | ✓          |            |             |
| Not Compatible              |                 |            |            | X          |            |             |
| Unsupported but should work |                 |            |            | O          |            |             |

RTOS to PC Compatibility Matrix

| RTOS to PC Compatibility    | Windows                              | RTOS       |            |            |            |             |
|-----------------------------|--------------------------------------|------------|------------|------------|------------|-------------|
|                             |                                      | INtime 7.X | INtime 6.X | INtime 5.2 | INtime 4.2 | INtime 3.13 |
| PC                          | HP 1HU (Quad core)                   | X          | X          | ✓          | X          | X           |
|                             | Dell 1HU                             | X          | ✓          | O          | O          | O           |
|                             | Lite RT (Quad Core)                  | X          | ✓          | ✓          | O          | O           |
|                             | Advantec i7 (6th gen Quad core)      | X          | ✓          | X          | X          | X           |
|                             | Advantec i7 (3rd gen Quad core)      | X          | X          | X          | ✓          | X           |
|                             | Advantec Core Duo (Dual Core)        | X          | X          | X          | X          | ✓           |
|                             | SuperLogics 2U i7 (12th gen 12 Core) | ✓          | ✓          | X          | X          | X           |
| Legend                      |                                      |            |            |            |            |             |
| Supported                   |                                      |            |            | ✓          |            |             |
| Not Compatible              |                                      |            |            | X          |            |             |
| Unsupported but should work |                                      |            |            | O          |            |             |

## 7.2. Product Life Cycle Matrixes

| Product Version | Year |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
|                 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 |  |
| iTest 2.3       | ✓    | ✓    | ✓    | ○    | ○    | ○    | ○    | ○    | ×    | ×    | ×    | ×    | ×    | ×    | ×    | ×    | ×    | ×    | ×    |  |
| iTest 3.0       | -    | -    | ✓    | ✓    | ○    | ○    | ○    | ○    | ×    | ×    | ×    | ×    | ×    | ×    | ×    | ×    | ×    | ×    | ×    |  |
| iTest 3.1       | -    | -    | -    | ✓    | ✓    | ✓    | ○    | ○    | ○    | ×    | ×    | ×    | ×    | ×    | ×    | ×    | ×    | ×    | ×    |  |
| iTest 3.2       | -    | -    | -    | -    | ✓    | ✓    | ✓    | ○    | ○    | ○    | ×    | ×    | ×    | ×    | ×    | ×    | ×    | ×    | ×    |  |
| iTest 3.4       | -    | -    | -    | -    | -    | -    | ✓    | ✓    | ○    | ○    | ○    | ×    | ×    | ×    | ×    | ×    | ×    | ×    | ×    |  |
| iTest 3.5       | -    | -    | -    | -    | -    | -    | -    | ✓    | ✓    | ○    | ○    | ○    | ×    | ×    | ×    | ×    | ×    | ×    | ×    |  |
| iTest 3.6       | -    | -    | -    | -    | -    | -    | -    | -    | ✓    | ✓    | ○    | ○    | ○    | ×    | ×    | ×    | ×    | ×    | ×    |  |
| iTest 3.7       | -    | -    | -    | -    | -    | -    | -    | -    | -    | ✓    | ✓    | ○    | ○    | ○    | ×    | ×    | ×    | ×    | ×    |  |
| iTest 3.8       | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | ✓    | ✓    | ○    | ○    | ○    | ×    | ×    | ×    | ×    |  |
| iTest 3.9       | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | ✓    | ✓    | ○    | ○    | ○    | ×    | ×    | ×    |  |
| iTest 4.0       | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | ✓    | ✓    | ○    | ○    | ○    | ×    | ×    |  |
| iTest 4.1       | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | ✓    | ✓    | ○    | ○    | ○    | ×    |  |
| iTest 4.2       | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | ✓    | ✓    | ○    | ○    | ○    |  |
| iTest 4.3       | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | ✓    | ✓    | ○    | ○    |  |
| iTest 4.4       | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | ✓    | ✓    | ○    |  |
| iTest 4.5       | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | ✓    | ✓    |  |
| iTest 4.6       | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | ✓    |  |
| Legend          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
| Current Version |      |      |      |      |      |      |      |      |      |      | ✓    |      |      |      |      |      |      |      |      |  |
| Bugfix Only     |      |      |      |      |      |      |      |      |      |      | ○    |      |      |      |      |      |      |      |      |  |
| Not Supported   |      |      |      |      |      |      |      |      |      |      | ×    |      |      |      |      |      |      |      |      |  |
| Not Available   |      |      |      |      |      |      |      |      |      |      | -    |      |      |      |      |      |      |      |      |  |