Keysight M8070ISIB – Adjustable ISI Package for M8000 Series of BER Test Solutions

The functionalities of the M8070B system software can be enhanced by this package. This package requires M8070B software 12.5 or later.

Software licensing

The M8070B baseline software is free-of-charge and doesn't require any license. In order to use the Adjustable Intersymbol Interference Package features a valid M8070ISIB license is required. For more details on the required license refer to "License Information" section in the user guide for this package described in Related Document.

Related Document

For detailed information on this package and its functionalities, refer to the following document after installing the package.

- "M8070ISIBUserGuide.pdf"

This document can be found at the following location after you install the package:
`C:\Program Files\Keysight\M8070B\Plugins\M8070ISIB\doc`
The M8070B documents can be located by clicking *Start* › *All Programs* › *Keysight M8070B* › *Keysight M8070B Documentation*. Alternatively, you can also visit www.keysight.com/find/M8070B to find the latest versions of M8070B documents.

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Installation Steps

To install the Keysight M8070ISIB package, perform the following steps:

- Start the M8070B software. To do so, go to *Start Menu* > *All Programs* > *Keysight M8070B*.
- Click Utilities -> Plugin Manager menu.
- Click on the *Install Plug-in* from *File* button. A *File Open* dialog is displayed.
- Locate the *M8070ISIB.m8kp* to install and click *OK*. On the successful installation of M8070ISIB package, a message is displayed.
- Install the required licenses via the Keysight License Manager (if not done before). To know about the details of required licenses, refer to the user guide mentioned above.
- Restart the M8070B software and from the menu options, click Generator -> Adjustable ISI to launch the M8070ISIB user interface.
- Additionally, you should be able to use additional features thru various menus like "Measurements", "Utilities" etc. To know more about how to use the features of this package, refer to the user guide mentioned above.
- New Feature
  - Require acquisition of M8070ISIB license and installation of the respective M8070B plugin.
  - Go here for more information
    https://www.keysight.com/find/M8070ISIB

New M8070ISIB Version 1.5.150.12

Released Date:	07 October 2025
M8070B Required Minimum Release:	S12.5.x
Operating System:	Same as M8070B System Software
Software pre-requisites and Controller requirements:	Same as M8070B System Software
Supported HW	M8042A, M8045A with de-emphasis option installed.
File Name	M8070ISIB_1.5.150.12.m8kp
License	M8070ISIB

Fixed Defects

M8K-8276   Corrected Type mistake in Manifest template file.

New M8070ISIB Version 1.4.370.4

Released Date:	04 July 2025
M8070B Required Minimum Release:	S12.0.x
Operating System:	Same as M8070B System Software
Software pre-requisites and Controller requirements:	Same as M8070B System Software
Supported HW	M8042A, M8045A with de-emphasis option installed.
File Name	M8070ISIB_1.4.370.4.m8kp
License	M8070ISIB

New Features and Enhancements

- Added new End User License Agreement (EULA) dialog during installation of Adjustable ISI plugin package.

New M8070ISIB Version 1.4.150.2

Released Date:	04 November 2024
M8070B Required Minimum Release:	S11.5.x
Operating System:	Same as M8070B System Software
Software pre-requisites and Controller requirements:	Same as M8070B System Software
Supported HW	M8042A, M8045A with de-emphasis option installed.
File Name	M8070ISIB_1.4.150.2.m8kp
License	M8070ISIB

New Features and Enhancements

Updated new M8070B SDK to support SSDF compliance.

New M8070ISIB Version 1.3.60.2

Released Date:	15 April 2024
M8070B Required Minimum Release:	S11.0.x
Operating System:	Same as M8070B System Software
Software pre-requisites and Controller requirements:	Same as M8070B System Software
Supported HW	M8042A, M8045A with de-emphasis option installed.
File Name	M8070ISIB_1.3.60.2.m8kp
License	M8070ISIB

Fixed Defects

M8K-4196   M8042A: Allow Frequency2 parameter visibility based on use model.

M8K-3789   Hide M1.DataOut2 option in Plug-in graph window if license for Channel 2 is not installed.

New M8070ISIB Version 1.2.120.8

Released Date:	22 February 2024
M8070B Required Minimum Release:	S10.5.x
Operating System:	Same as M8070B System Software
Software pre-requisites and Controller requirements:	Same as M8070B System Software
Supported HW	M8042A, M8045A with de-emphasis option installed.
File Name	M8070ISIB_1.2.120.8.m8kp
License	M8070ISIB

Fixed Defects

M8K-3723 Auto scaling is not working properly in Adjustable Inter Symbol Interference graph window.

New M8070ISIB Version 1.2.80.6

Released Date:	04 December 2023
M8070B Required Minimum Release:	S10.5.x
Operating System:	Same as M8070B System Software
Software pre-requisites and Controller requirements:	Same as M8070B System Software
Supported HW	M8042A, M8045A with de-emphasis option installed.
File Name	M8070ISIB_1.2.80.6.m8kp
License	M8070ISIB

New Features and Enhancements

- Added context sensitive help.
- Added default M8067A S-parameters files in Factory folder.
    - o M8067_001_Trace1.s2p
    - o M8067_001_Trace2.s2p
    - o M8067_001_Trace3.s2p
    - o M8067_002_Trace1.s2p
    - o M8067_002_Trace2.s2p
    - o M8067_002_Trace3.s2p
    - o M8067_003_Trace1.s2p
    - o M8067_003_Trace2.s2p
    - o M8067_004_Trace1.s2p
    - o M8067_004_Trace2.s2p
    - o M8067_005_Trace1.s2p
    - o M8067_005_Trace2.s2p

Known Defects

M8K-3723 Auto scaling is not working properly in Adjustable Inter Symbol Interference graph window.
Workaround: Manually adjust the graph window.

New M8070ISIB Version 1.0.100.6

Released Date:	16 December 2022
Operating System:	Same as M8070B System Software
Software pre-requisites and Controller requirements:	Same as M8070B System Software
Supported HW	M8042A, M8045A with de-emphasis option installed.
File Name	M8070ISIB_1.0.63.5.m8kp
License	M8070ISIB

New Features and Enhancements

- ISI support for M8042A module.
- Add M8067A S-parameters into M8070B for embedding / de-embedding

Known Defects

M8K-3723 Auto scaling is not working properly in Adjustable Inter Symbol Interference graph window.
Workaround: Manually adjust the graph window.

Version History

M8070ISIB Version 1.0.50.2

Released Date:	18 November 2022
Operating System:	Same as M8070B System Software
Software pre-requisites and Controller requirements:	Same as M8070B System Software
Supported HW	M8045A with de-emphasis option installed.
File Name	M8070ISIB_1.0.50.2.m8kp
License	M8070ISIB

Initial Release

Known Defects

M8K-3723 Auto scaling is not working properly in Adjustable Inter Symbol Interference graph window.
Workaround: Manually adjust the graph window.